CANADIAN
Coin Box
MAGAZINE

NEWS
FOR THE
COIN OPERATED
ENTERTAINMENT
INDUSTRY
APRIL 1994

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THIS ISSUE: POST-ACME COVERAGE
TABLE GAMES

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* * * * * * * * * * * *

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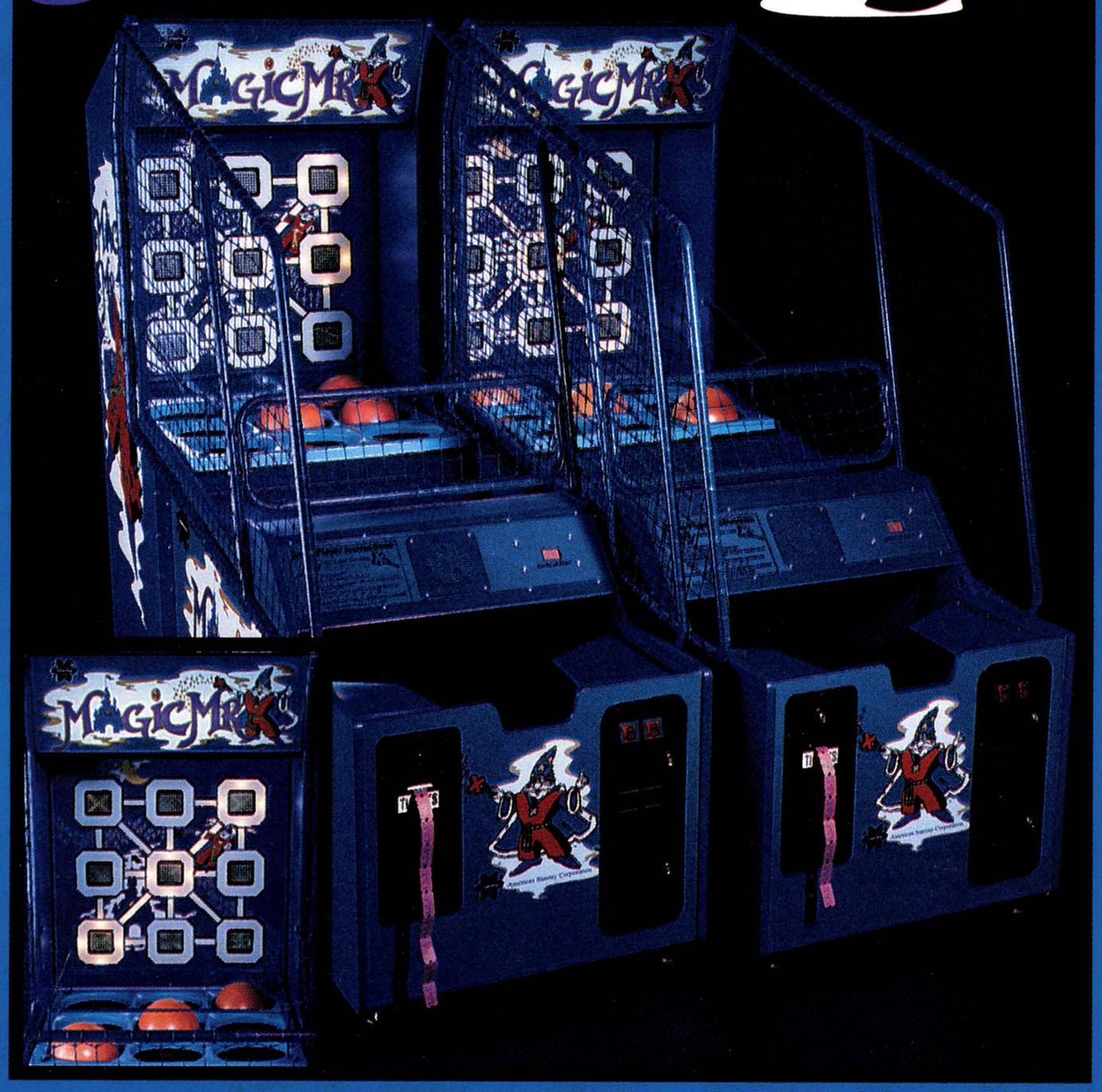
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CANADIAN
Coin Box
MAGAZINE

NEWS
FOR THE
COIN OPERATED
AMUSEMENT
INDUSTRY

Published since 1946

Cover

A Legend from Rock-Ola—the first jukebox manufactured under the ownership of Glenn Streeter.

Staff

Sandra L. Anderson: Editor
Betty Resendes: Assistant Editor
Jim Dillon: Advertising Manager
Pam Chiu: Administrative Assistant

Editorial Office

Send all editorial materials attention Editor: **106 Lakeshore Rd. E., Suite 209, Port Credit, Ont. Canada L5G 1E3,Tel: 905-271-1366 Fax: 905-271-6373**

Advertising Office

Send all advertising materials attention Advertising Manager: **222 Argyle Ave., Delhi, Ontario N4B 2Y2, Tel: 519-582-2513 Fax: 519-582-4040.**

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April 1994

32 Air Hockey Promotion

Air Hockey promotion and rules as told by the ever-enthusiastic USAA.

34 ACME Post-Show Coverage

Beginning on page 34 we tell you who was there and what happened in Rosemont Ill., March 16-19.

41 AMOC Meets in Chicago

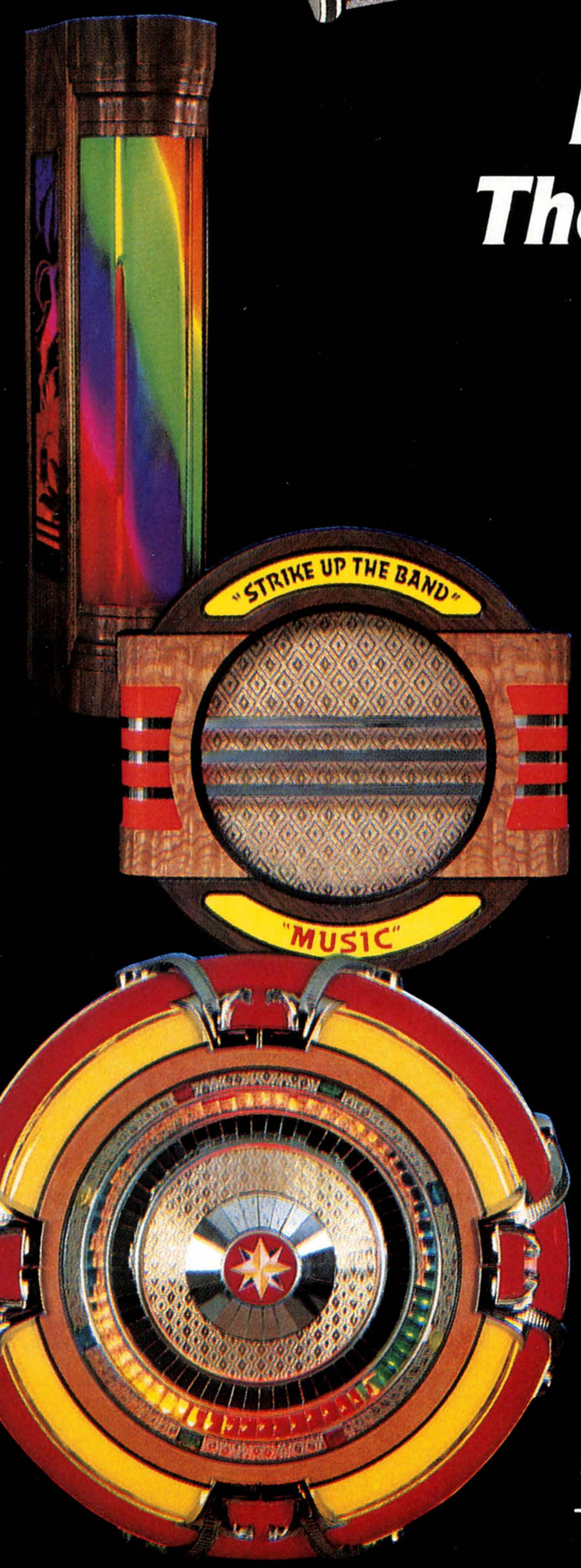
The directors of the Amusement Machine Operators of Canada met in Chicago and Coin Box was there.

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PERSPECTIVES

with Sandra Anderson

Video Games and Women

Well, we just survived another ACME show. Attendance numbers weren't as high as previous years, but of notable interest this year was the abundance of exhibits and information available on redemption for those operators considering family fun centres.

It's no secret that, while waiting for that one big game to come along and make them a fortune, operators are looking to diversify.

The target audience for manufacturers doesn't seem to be 8-14 year old boys anymore, although that market still exists, it's families.

Another major market, besides families is adult games or video lottery. Although that, in Canada especially, offers very limited opportunity for operators. Only two of ten provinces offer operators a chance to be involved in video lottery, but those markets are small and already heavily saturated.

Still, this past trade show like all the others indicates that manufacturers haven't figured out how to attract the adult woman, the largest consumers of books, movies and TV drama. Sure, get at her through her kids, with redemption, or through her husband with tavern games, but there is still no video game out there exclusively for her.

There was a good story in a Japanese trade magazine recently about women and arcades. But even that, dealt with winning prizes and redemption.

Where are our videos? Strip Tease videos just won't cut it, even if there is a version with male models. I have noticed over the years that more women are getting involved in the industry and it's high time manufacturers noticed this. In one aspect they have noticed that women make exceptional sales people. As the saying goes, ''Do you want to talk to the man in charge or the women who knows what's going on?''

All in all, it was a good ACME '94. Our new advertising manager, Jim Dillon got a good initiation into the industry, and thanks goes out to our freelance writer Aaron Benditt who helped us out this time. ❑

ATLANTIC LOTTERY CORPORATION VIDEO LOTTERY PROGRAMS

	NEW BRUNSWICK	NEWFOUNDLAND	NOVA SCOTIA	PRINCE EDWARD ISLAND
Launch Date:	Dec. 1990	Dec. 1990	May 1991	August 1991
Revenue Split:				
Government	40% (Apr. 1/94)	80% (Apr. 1/94)	65%	50%
Locations	30% (Apr. 1/94)	20% (Apr. 1/94)	35%	25%
Operators	30% (Apr. 1/94)	0%	0%	25%
Prize Payout:				
Range	80-90%	80-96%	95%	MAX.80-93%
Maximum Bet	$2.50	$2.50	$2.50	$2.50
Maximum Win	$500	$500	$500	$500
Max. VLTs:				
(licensed sites)	5	5	5	5
Max. VLTs:				
(non-lic. sites)	2	0	0	2

Updated: March 1994

$ VLT COIN BOX $

New Brunswick

April 1, 1993 to March 19, 1994
(Based on 3,197 VLTs in 1,555 locations)
Cash in terminals ..... 173.4 mil
Total winnings ..... 96.6 mil
Lottery/gov't share ..... 32.7 mil
Operator's share ..... 23.4 mil
Percentage breakdown: Gov't = 39%; location = 30.5%; operators = 30.5%.

Newfoundland/Labrador

April 1, 1993 to March 19, 1994
(Based on 1,654 VLTs in 434 locations)
Cash in terminals ..... 112.4 mil
Total winnings ..... 76.4 mil
Lottery/gov't share ..... 24.2 mil
Percentage breakdown: Gov't = 65%; location = 35%.

Nova Scotia

April 1, 1993 to March 19, 1994
(Based on 1,769 VLTs in 403 locations)
Cash in terminals ..... 217.5 mil
Total winnings ..... 154.9 mil
Lottery/gov't share ..... 42.1 mil
Percentage breakdown: Gov't = 65%; location = 35%.

Prince Edward Island

April 1, 1993 to March 19, 1994
(Based on 538 VLTs in 232 locations)
Cash in terminals ..... 29.1 mil
Total winnings ..... 16.6 mil
Lottery/gov't share ..... 6.3 mil
Operator's share ..... 3.2 mil
Percentage breakdown: Gov't = 50%; location = 25%; operators = 25%.

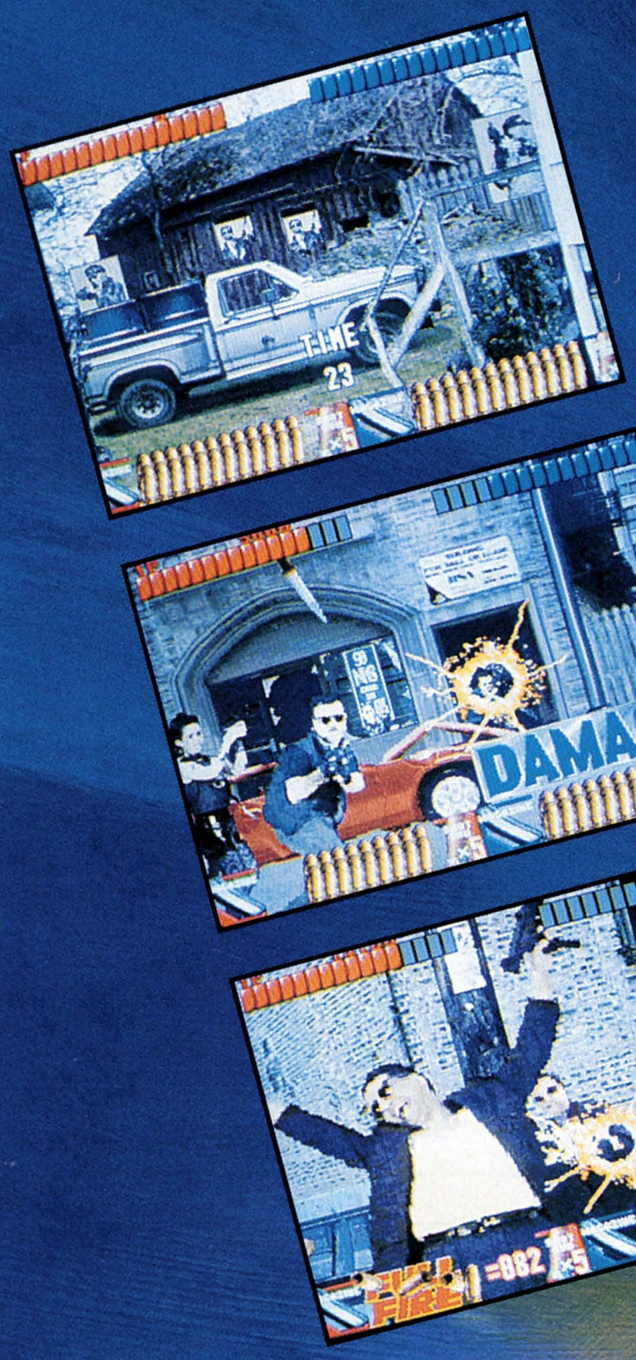
Editors Note: These figures are based on averages provided by the Atlantic Lottery Corporation. Please note that cash in terminal sales are net sales (net of prizes). Operators are advised that these figures are to be used only as a reference. Payout percentages are different for each province, and rules regarding machine placement are also different. It is also not clear whether the government has added various taxes and other operation costs to their lottery share figures stated here. For other sources of information, your provincial operators' association and lottery board should be contacted. Video lottery figures for the provinces of Manitoba, Saskatchewan and Alberta, are not available.

NOTICE TO OUR READERS

The operation of some of the games advertised in this publication and the features therein may be subject to various federal, provincial and/or local laws or regulations. It is not intended herein to solicit the sale of such games in any jurisdiction wherein the same may not be legally sold or operated.

—The Publishers

Canadian Coin Box Magazine



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TOP TEN GAME POLL

RANK		TITLE (Manufacturer)	RATING	MONTHS
	( ) Previous month		(1-5, 5 is tops)	ON CHART
DEDICATED GAMES				
1	(—)	Ridge Racer (Namco)	5	—
2.	(—)	Virtua Fighter (Sega)	4.9	—
3.	(1)	Mortal Kombat II (Midway)	4.7	4
4.	(3)	Outrunners (Sega)	4.6	6
5.	(2)	Suzuka 8 Hours (Namco)	4.5	14
6.	(4)	Virtua Racing (Sega)	4.3	13
7.	(5)	NBA Jam (Midway)	4.1	10
8.	(10)	Super Street Fighter II (Capcom)	4.0	3
9.	(8)	Lethal Enforcers (Konami)	3.9	15
10.	(7)	Mortal Kombat (Midway)	3.7	17
VIDEO KITS				
1.	(—)	World Rally (Atari)	4.7	—
2.	(3)	Super Street Fighter II (Capcom)	4.5	4
3.	(1)	Mortal Kombat (Midway)	4.3	13
4.	(—)	Gal's Panic II (Kaneko)	4.1	*
5.	(—)	NBA Jam (Midway)	4.0	—
6.	(2)	Samurai Shodown (SNK)	3.8	6
7.	(8)	Street Fighter II: Champion (Capcom)	3.5	17
8.	(—)	Art Of Fighting (SNK)	3.1	*
9.	(6)	Fatal Fury 2 (SNK)	2.8	10
10	(—)	Aero Fighters (McO'River)	2.5	*
PINBALL				
1.	(1)	Star Trek: TNG (Williams)	4.9	3
2.	(2)	Indiana Jones (Williams)	4.5	4
3.	(3)	Jurassic Park (Data East)	4.4	7
4.	(5)	Judge Dredd (Williams)	4.2	2
5.	(6)	Twilight Zone (Bally)	4.0	8
6.	(10)	White Water (Williams)	3.8	9
7.	(7)	Rocky & Bullwinkle (Data East)	3.7	10
8.	(—)	Star Wars (Data East)	3.6	*
9.	(8)	Addams Family (Bally)	3.5	22
10.	(—)	Fish Tales (Williams)	3.2	*
BEST OTHER GAMES				
1.	(1)	Air Hockey (Dynamo)	4.8	26
2.	(2)	Pool Table (Valley)	4.5	20

*Game reappears in top ten after absence.
#* Indicates how long the game has remained in poll after reappearance.

AN EXPLANATION

For this game poll we have compiled results received by operators on their opinions as to which were their top earning games, in four categories: dedicated video, video kits, pinballs and best other games. Each game was rated on **a scale of 1 to 5, with 5 representing superior earnings**. Above are the results of this poll. We invite all operators in Canada to participate in future polling. Just fill out the form located to the right and send the results by telephone, mail, or fax to our editorial offices (address, phone numbers at top right). Without your co-operation a poll such as this could not be possible. We also encourage comment on this poll. Perhaps there is information lacking you wish to have included, or a different way to compile the results.

NOTES ON OUR RANKINGS

For the purposes of this poll we consider SNK's Neo-Geo a dedicated game. If you are referring to the One-Slot version, please name the top earning software.

(This poll is for information purposes only and is based on a small statistical sample. Operators, of course, must use sound judgement and traditional methods for their purchasing decisions.)

GAME POLL FOR NEXT ISSUE

Please fill out this poll as completely as you can and return immediately to: Poll Results, Canadian Coin Box, 106 Lakeshore Rd., E., Suite 209, Port Credit, Ont. L5G 1E3 or Fax 905-271-6373. Your name and address are for verification purposes only. (Canadian operators only.)

TOP DEDICATED VIDEOS

Rank Title Pts (1-5, 5 is superior)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

TOP VIDEO KITS

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

TOP PINBALL MACHINES

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

BEST OTHER GAMES

1. _____
2. _____
3. _____
4. _____

Name: _____

Company: _____

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CANADA'S HIT LIST

(Published in *The Record* the week of March 28, 1994)

POP ADULT

WO	LW	TW	
8	2	1	**Without You**—Mariah Carey
14	1	2	**Now and Forever**—Richard Marx
9	5	3	**Streets of Philadelphia**—Bruce Springsteen
11	4	4	**Having A Party**—Rod Stewart
9	6	5	**Love Love Love**—Hemingway Corner
14	3	6	**Everyday**—Phil Collins
9	7	7	**In Your Eyes**—Dan Hill & Rique Franks
7	8	8	**For Whom The Bell Tolls**—Bee Gees
4	13	9	**Anniversary Song**—Cowboy Junkies
6	14	10	**Oh No Not My Baby**—Linda Ronstadt
5	19	11	**Hasn't Hit Me Yet—**Blue Rodeo
4	16	12	**Lullabye**—Billy Joel
19	11	13	**The Power Of Love**—Celine Dion
9	15	14	**Rock & Roll Dreams...**—Meat Loaf
16	12	15	**The Ones You Love**—Rick Astley
9	17	16	**Because Of Love**—Janet Jackson
15	10	17	**Will You Be There...**—Heart
15	9	18	**Distant Sun**—Crowded House
8	21	19	**Swimming In Your...**—Crash Test Dummies
5	27	20	**Completely**—Michael Bolton

COUNTRY

WO	LW	TW	
9	4	1	**Standing Outside The Fire**—Garth Brooks
10	5	2	**No Doubt About It**—Neal McCoy
10	7	3	**Nobody Gets Too Much...**—Charlie Major
11	2	4	**He Thinks He'll...**—Mary C. Carpenter
9	10	5	**You Can't Have It All**—Allan Jackson
9	13	6	**My Love**—Little Texas
8	12	7	**By Heart**—Joel Feeney
10	1	8	**Trying To Get Over You**—Vince Gill
14	9	9	**They Asked About You**—Reba McEntire
14	3	10	**TLC ASAP**—Alabama
9	11	11	**Life #9**—Martina McBride
14	6	12	**I've Got It Made**—John Anderson
5	18	13	**Now And Then**—Michelle Wright
16	14	14	**Goodbye Says It All**—Blackhawk
10	17	15	**I'm Holding My Own**—Lee Roy Parnell
9	21	16	**We Don't Have To Do...**—Tanya Tucker
14	8	17	**Rock My World**—Brooks & Dunn
7	24	18	**If The Good Die Young**—Tracy Lawrence
10	22	19	**Look Before You Leap**—Suzanne Gitzi
8	28	20	**I Can't Reach Her Anymore**—Sammy

These lists have been reprinted with permission of ***The Record****, Canada's weekly music business newspaper. Subscription enquiries should be directed to: The Record, P.O. Box 201, Station M, Toronto, Ontario M6S 4T3, Tel: 416-533-9417, Fax: 416-533-0367.*

TOP RETAIL SINGLES

LW	TW	
1	1	**The Power Of Love**—Celine Dion (Epic/Sony Music)
5	2	**Without You**—Mariah Carey (Columbia/Sony)
4	3	**Ghetto Jam**—Domino (Columbia/Sony)
2	4	**Said I Loved You...**—Michael Bolton (Columbia/Sony Music)
7	5	**Groove Thang**—Zhane (Motown/PGD)
6	6	**Just Kickin' It**—Xscape (Columbia/Sony Music)
3	7	**Whatta Man**—Salt N'Pepa (Next Plateau/PDG)
29	8	**Streets Of Philadelphia**—Bruce Springsteen (Epic/Sony)
8	9	**Stay**—Eternal (EMI)
9	10	**Understanding**—Xscape (Columbia/Sony)
11	11	**Please Forgive Me**—Bryan Adams (A & M/PGD)
14	12	**Insane In The Brain**—Cypress Hill (Columbia/Sony Music)
13	13	**Hero**—Mariah Carey (Columbia/Sony Music)
10	14	**Family Affair**—Shabba Ranks (Epic/Sony)
15	15	**Miss You In A Heartbeat**—Def Lepperd (Vertigo/PDG)
17	16	**Ain't Going Out Like That**—Cypress Hill (Columbia/Sony)
19	17	**Skip To My Lu**—Lisa Lisa (Pendulum/EMI)
New	18	**Dreams**—Cranberries (Island/PGD)
12	19	**I'm In The Mood**—Ce Ce Peniston (A & M/PGD)
27	20	**Choose**—Color Me Badd (Giant/WMC)

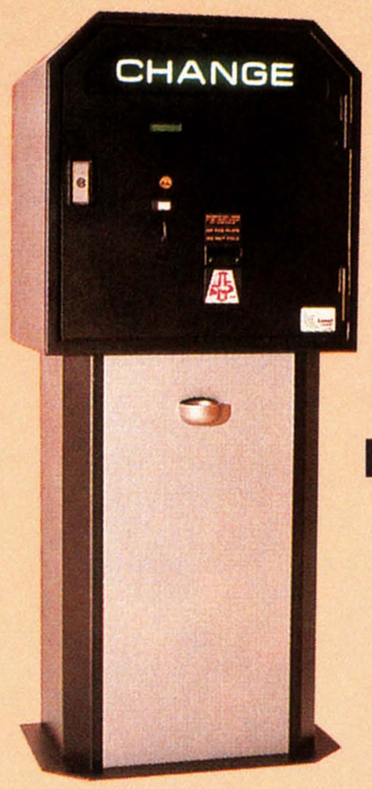
FRANCOPHONE TOP 20 ALBUMS

WO	LW	TW	
36	1	1	**Corridors**—Laurence Jalbert (Audiogram/Select)
6	2	2	**Les grandes chansons Vol. 2**—Michel Sardou (PGC/Select)
17	3	3	**Toujour la**—A. Morisod/Sweet People (Kosmos/Select)
63	4	4	**Les insomniaques...**—Daniel Belanger (Audiogram/Select)
43	6	5	**Les annees lumieres**—Francine Raymond (Deauville/Select)
18	5	6	**Vagabondage**—Richard Seguin (Audiogram/Select)
48	7	7	**Stef Carse** —Stef Carse (PGM/Select)
56	9	8	**Lara Fabian**—Lara Fabian (Jill Records/Muiscor)
29	11	9	**Animal**—France D'Amour (Tacca/Select)
10	8	10	**Les grandes chansons**—Herve Villard (PGC/Select)
24	12	11	**20 chansons...**—Michele Torr (Musicor/Musicor)
10	14	12	**C'est deja ca**—Alain Souchon (Double/Select)
2	10	13	**Les grandes chansons**—Herbert Leonard (PGC/Select)
2	19	14	**Sol en si**—Artistes Varies (Warner Musique)
17	16	15	**Les immortelles**—Dan Bigras (Lella/Select)
5	20	16	**Un jour dans notre vie**—Indochine (Ariola/BMG)
11	13	17	**Souvenirs**—Joe Dassin (Sony Musique)
7	17	18	**Quebec Love**—Robert Charlebois (Gamms/Musicor)
6	18	19	**Les grandes chansons**—Isabelle Aubret (PGC/Select
6	15	20	**Mes plus grands succes**—Claude Michel (Star/Select)

DANCE CLUB CHART

WO	LW	TW	
7	1	1	**Seen A Long...**—The Fog (Columbia/Sony)
4	4	2	**Another Night**—MC Sar (Ariola/BMG)
9	2	3	**I Love Music**—Rozalla (Epic/Sony)
4	7	4	**Stay—**Eternal (EMI)
6	5	5	**I'm In The Mood**—Ce Ce Peniston (A &M/PGD)
3	11	6	**What's Up**—Minnesota (Ariola/BMG)
5	6	7	**Whatta Man**—Salt N'Pepa (Nest Plateau/PGD)
3	13	8	**Because Of Love**—Janet Jackson (Virgin/EMI)
5	8	9	**Skip To My Lu**—Lisa Lisa (Pendulum/EMI)
New		10	**The Sign**—Ace Of Base (Arista/BMG)
7	10	11	**Show Me**—Kim Sanders (Quality)
New		12	**Groove Thang**—Zhane (Motown/PGD)
2	20	13	**Alex's Party**—Alex Party (Quality)
New		14	**Don't Go Breaking My Heart**—Elton John & Rapaul (MCA)
3	18	15	**I Would't Normally Do This...**—Pet Shop Boys (EMI)
New		16	**Cantaloop**—US3 (Blue Note/EMI)
9	3	17	**Life**—Haddaway (Arista/BMG)
New		18	**Joy**—Staxx Of Joy (Champion/Sony)
New		19	**The Muzik**—Latino Brothers (PolyTel)
New		20	**Anything**—Culture Beat (Sony Dance Pool)

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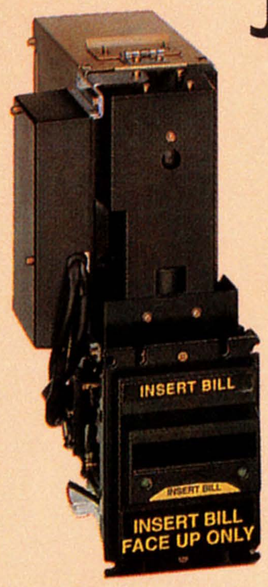
Model **LC 17000**

Model **LC4500**

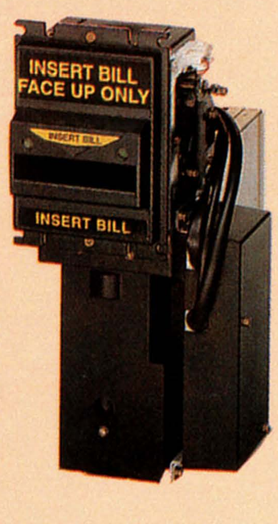


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MANUFACTURIER DE CHANGEURS DE BILLETS

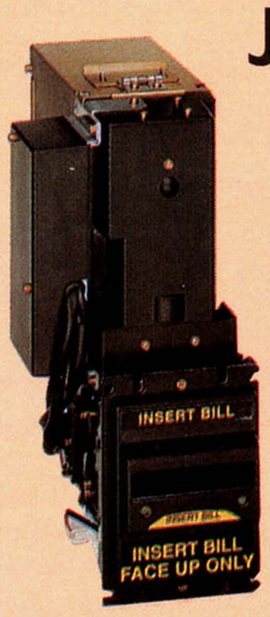
Modèle **LC 17000**

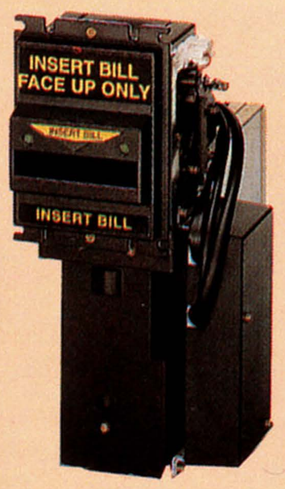


Modèle **LC4500**

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Alvin G. & Co. Closes Doors

After only a few short years in business, pinball manufacturer, Alvin G. & Co. has ceased all operation at their Melrose Park, Ill., offices as of March 4, 1994.

In a press release dated March 8, the company stated the closure is "due to the downturn in the pinball segment of the coin-op amusement games industry."

Adolf Seitz Jr., general manager, told *Coin Box*, "The closing is one of those unfortunate things."

The announcement came only a week before the ACME show in Chicago, at which Alvin G. was planning to exhibit, but did an abrupt about face. Seitz says all outstanding orders will be filled with product on hand. The company spent the rest of the month of March liquidating its assets and arranging for someone to handle parts and service for existing product in the marketplace.

Of Alvin Gottlieb, Seitz said, "Alvin is going back to doing what he did for 11 years before he started this company, retirement, and he deserves it." Of Michael Gottlieb and the rest of the staff, Seitz says, "We have a lot of talent here and I'm sure they'll all find something else."

Seitz explains, "The past three years have been challenging, exciting, and at the same time disheartening. As is so often the case in this industry, timing is everything, and unfortunately, the limit to the timetable under which we operated coincided with the severe downturn in the industry. We have endured the peaks and valleys, but this valley has lasted longer than anticipated. We at Alvin G. & Co. wish to express our thanks to all of our many friends within this industry, and send them all the best." Shortly after this interview with Canadian Coin Box, some of the company's talent did find positions elsewhere within the industry.

New Family Center Association

A growing need for unity and better communication inside the amusement industry's fastest growing segment has spawned the creation of the International Family Entertainment Center Association (IFECA) and the first meeting of the new organization's board of directors, held during the recent Fun Expo in Nashville.

The board will represent the full gamut of fun center operations, from small local businesses to sprawling national chains, with the common goal of encouraging the exchange of ideas and information among owners, operators and suppliers.

IFECA received overwhelming approval from both manufacturers and operators attending Fun Expo.

Bob Peters of the association says they are also interested in Canadian members.

In addition to kicking off its membership drive, the association has put into place the Referral Hotline for quick phone or fax answers to urgent questions. Also, the Fun Fax Bulletin Board, to be published for the first time in the April newsletter, will offer general items for trade and sale between owners, land and businesses for sale, as well as a general Help Wanted section. In May, IFECA will broaden its reach with the launch of an industry-wide market research program.

The board of IFECA has named Fun EXPO as its official annual convention. The association will work with Fun Expo organizers in developing valuable programs for industry veterans and newcomers as the show heads into its fourth year. The 1994 show will be held from Oct. 2-4 at the Las Vegas Convention Center.

Contact: IFECA, 242 Central Ave., White Plains, NY 10606, tel: 914-993-9297 fax: 914-993-9219.

Margold Visits Laniel Automatic

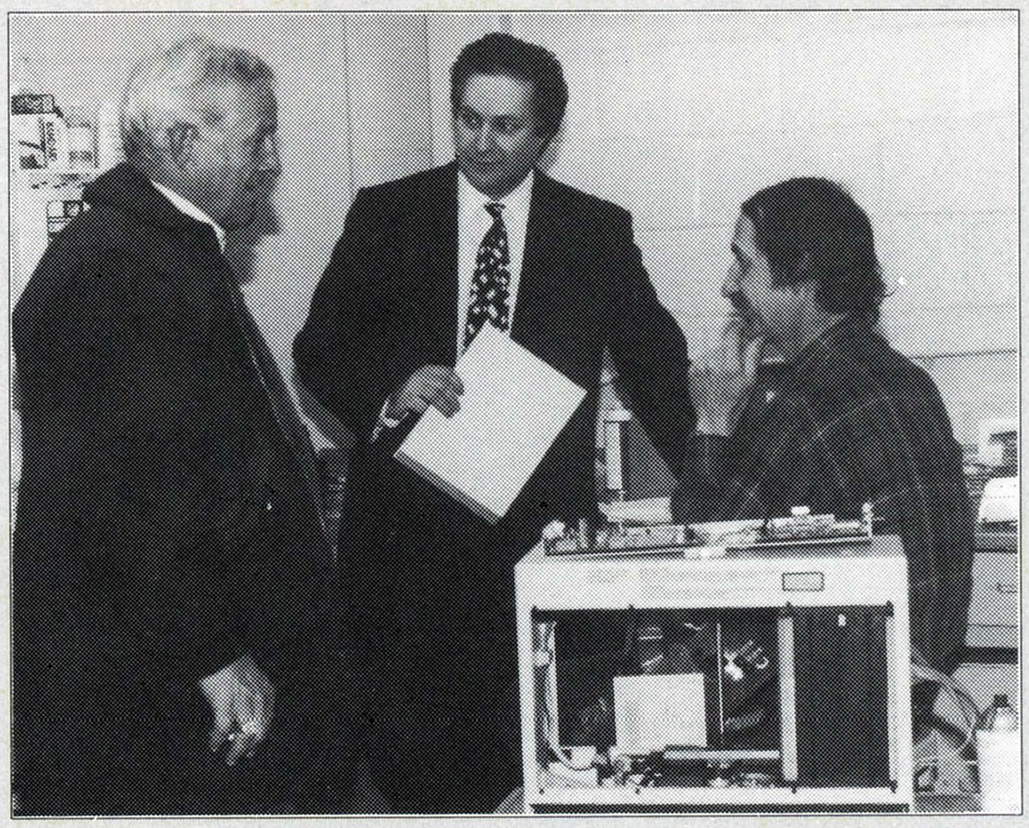
NSM-America's John Margold visited Laniel Automatic in Montreal for the first time, Feb. 15, 1994.

Jean Coutu of Laniel Automatic said while Margold was there on his first courtesy visit, he met Fernand Chaput of Richelieu Amusement, one of the largest jukebox operators in Canada.

Margold jokes that since he visited Montreal in mid-February, instead of a warmer time of year, it shows his dedication to Jean Coutu. He spent the entire day with service and parts people because, "They talk to operators most and know their needs." Margold described Jean Robillard, head of technical service and Jean-Pierre Lefebvre, parts manager, as excellent people. He also described the facility as "excellent."

"What impressed me most is the experience and knowledge of the staff. These are people who remember nickel and dime play, so you have to take their suggestions with a great deal of consideration," said Margold. "It was a very productive day."

That evening, Margold was treated to dinner at one of Montreal's finest restaurants by Jean Coutu and salesman, Marc Raymond.



John Margold, centre, chats with operator Fernand Chaput of Richelieu Amusement, and Jean-Pierre Gauthier of Laniel Automatic's Technical department.

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INDUSTRY NEWS

Bally Gaming Opens New Office—Strahan Named G.M.

Bally Gaming, Inc. President Hans Closs announces the opening of a new sales and service office to oversee new and existing gaming accounts in the midwestern United States. The office, to be located in suburban Chicago, will be headed by Rus Strahan.



Rus Strahan

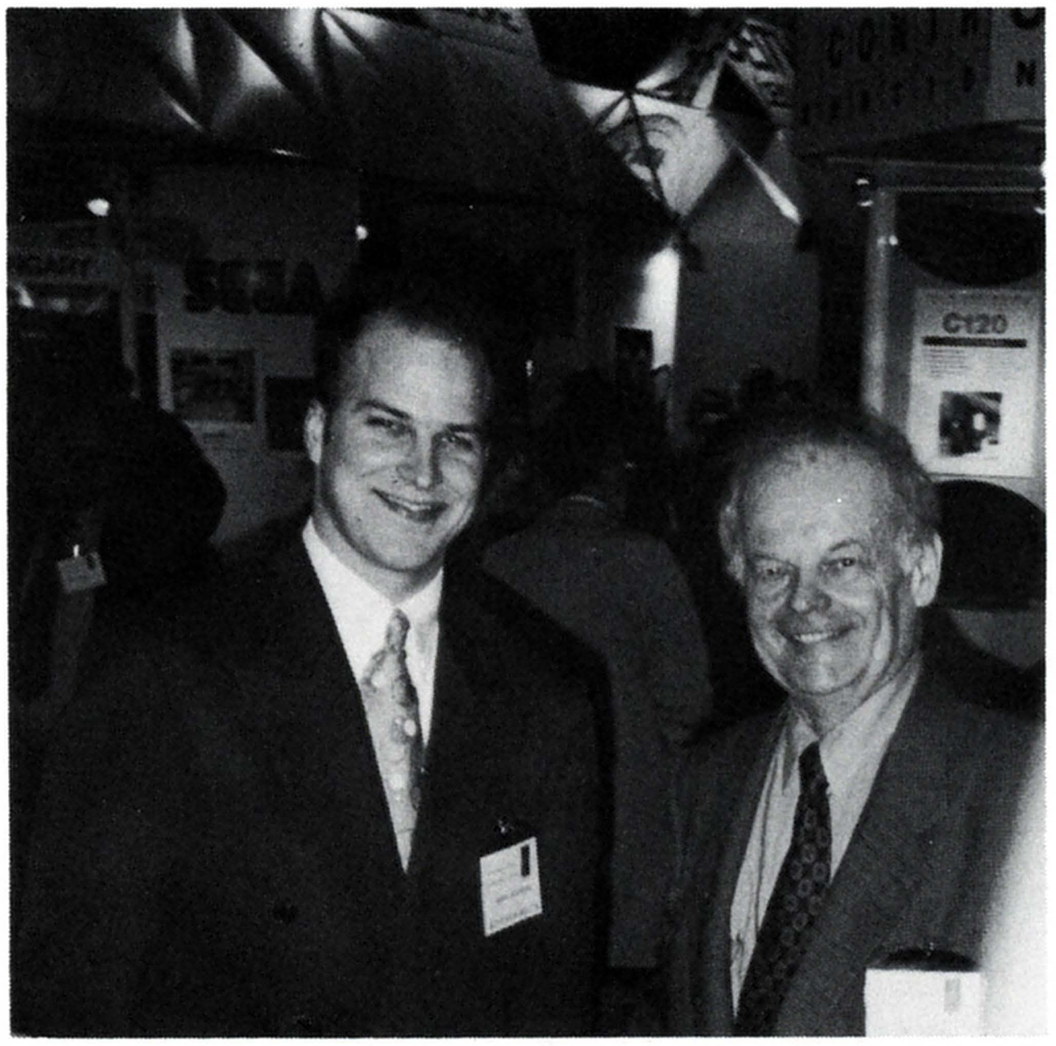
Strahan as general manager will oversee all sales and service for the midwestern region.

A native of Greenfield, Mass., Strahan boasts an extensive career in sales management that spans some 20 years. Most recently he served as president of NSM America, Inc., a major music machine manufacturer.

Bally Gaming, Inc. is a leading designer and manufacturer of reel-spinning slot machines, video gaming devices, and video lottery terminals.

VLT in Que.

Video Lottery Technologies, Inc., (VLT), recently announced that the Regis des Alcools, Courses et Jours (RACJ), Quebec's licensing agency for alcohol, racing and gaming, has approved the company's application for a license to manufacture video lottery terminals in the province.



The ATEI show in London, England was a success and Jean Coutu of Laniel Automatic was there, (see coverage in March issue), shown here with Valley's Mark Boehman.

The RACJ had earlier denied VLT's application in December, 1993. VLT, along with other companies, is currently bidding for a contract to provide a central system and terminals to Lotto Quebec for its new video lottery project.

In other news, VLT has completed arrangements for forming a 10-year strategic technology partnership with EDS.

The strategic technology agreement, announced in January, became effective March 1, 1994.

EDS and VLT will collaborate on a wide range of product development and service enhancement projects.

In another agreement, Video Lottery Technologies plans to purchase all of the stock of privately-held United Wagering Systems, Inc. The two companies also entered into an agreement under which United will distribute VLT's video gaming terminals to racetracks in states that permit such video gaming.

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Laniel Canada on the Road

Laniel Canada of Montreal took their act on the road for the first time ever, Feb. 28 to March 4, 1994, to give service schools and demonstrations of the NRI G-13 coin acceptor and the JCM bill validator.

Some of the audiences totalled up to 15 as Denis Laniel, general manager; Albert Dumeresq, co-pilot; and Francois Rocheleau, chief technician, made a special tour of the Western Canadian and American region. Denis Laniel says, during their seminars, they welcomed the chance of answering questions and giving advice on how the equipment can best suit the needs of its clientele.

"It was very profitable for us and we'll definitely do it again," said Laniel. "The trip went as planned. We received more than a good welcome and the response to our courses surpassed our expectations." He said if it wasn't for the convenience of the small plane they rented for the trip, they never would have managed it.

Places visited were International Game Technologies and Selecteck (authorized distributor of Laniel's bill changers), in Winnipeg; Western Canada Lottery Corporation in Saskatoon; and Alberta Lotteries in Edmonton. They concluded their tour by paying a visit to Video Lottery Technologies in Bozeman, Montana.

Laniel Canada Inc. wishes to thank all the representatives of the visited organizations for their kind attention and for the interest shown during their seminars.



Denis Laniel and crew arrive in Edmonton, Alberta, during a recent tour promoting their NRI coin changers and JCM bill validators.

Chicago Lock Logo Change

Chicago Lock company, a Chicago-based manufacturer of security locks used in hundreds of industrial applications, has announced the introduction of a new corporate logo.

It is the first logo change since the company was founded in 1920. The logo is designed to represent the company's past, present and future.

ChicagoLOCK
COMPANY

Amazing Games Moves

Amazing Games, manufacturer of soccer tables, has relocated and can be reached at P.O. Box 5305, Portland, Oregon 97228, Tel: 503-282-2296, Fax: 503-282-2396.

Capcom Denied Injunction

Capcom U.S.A. Inc.'s motion for a preliminary injunction enjoining Data East's marketing and distribution of their video fighting game Fighter's History has been denied by Judge William Orrick of the Federal District Court in the Northern District of California.

Capcom claimed that Fighter's History infringed Capcom's audio visual copyright for its Street Fighter II family of video fight games. Capcom also claimed that Data East had copied the "total concept and feel" of Street Fighter II, in addition to copying certain fight characters and special moves.

Judge Orrick held that "Data East has not captured in Fighter's History the 'total concept and feel' of the protectable expression in Street Fighter II.'' He said the similarities between the two games stem from Data East's emulation of the common unoriginal fighting techniques derived from the martial arts.

The court further stated that "Capcom cannot now withdraw from the public domain ideas and standardized expression.'' The Judge added, ''To do so would be commensurate to awarding Capcom a monopoly over a range of characters and moves that it did not create. It would also allow Capcom to lay proprietary claim to all reality based fight games featuring human characters. Copyright law affords no such protection."

Back to School

The International Association of Amusement Parks and Attractions (IAAPA) hosted its second annual IAAPA Amusement Industry Institute Program recently at Cornell University's School of Hotel Administration in Ithaca, NY, which attracted 30 senior level amusement park managers, from 12 countries.

For more IAAPA information contact Susan Mosedale at 703-836-4800.

Kiddie Rides USA Expands

Kiddie Rides USA has more than doubled its size with their new 30,000 square foot Denver, Colorado installation in addition to their 25,000 sq. ft. Davenport, Iowa, plant. Both facilities operate as manufacturing and distribution centers.

The company's new address is 3801 East 50th Ave., Denver, Colorado 80216, Tel: 303-399-7191.

Correction

At the end of the story "Bulk Vending: Playing To Win With Cranes" in February *Coin Box*, the wrong telephone number was listed for Canmax Marketing Inc..

Canmax Marketing Inc., distributors of Advanced Games and Engineering Inc.'s Snack Attacker, is located at 2 Thorncliffe Park Dr., Unit 29, Toronto, Ont. M4H 1H2. Tel: 416-696-6288, Fax: 416-696-6226.

Coin Box apologizes for any inconvenience this may have caused. ❑



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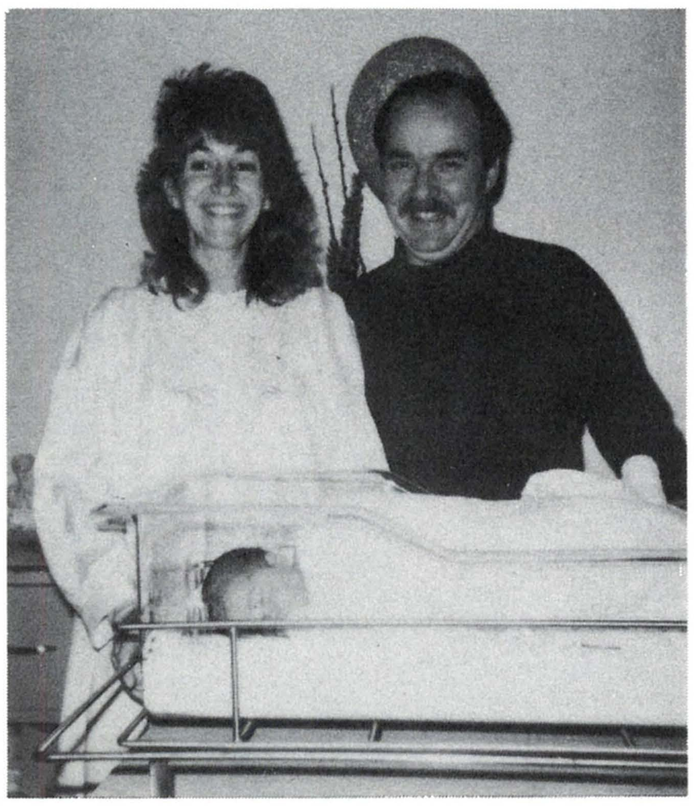
PEOPLE

New Addition to Laniel Clan

Jean-Marc Laniel, president of Laniel Canada Inc., Montreal, Que., and his wife Marie-Josee welcomed their second child, Julie, on March 24, 1994.

Julie was an early riser, arriving at 8:40 a.m. weighing in at 7 lbs. 4 oz.

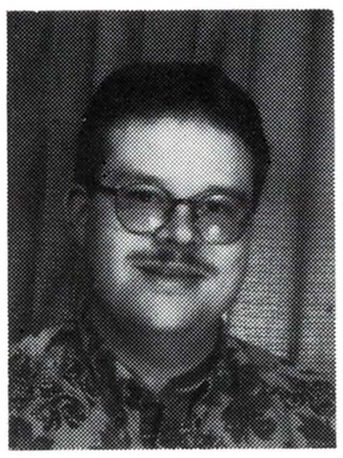
"It's a great joy," said Jean-Marc Laniel. Julie is a sister for Francois.



Jean-Marc, Marie Josee and Julie Laniel

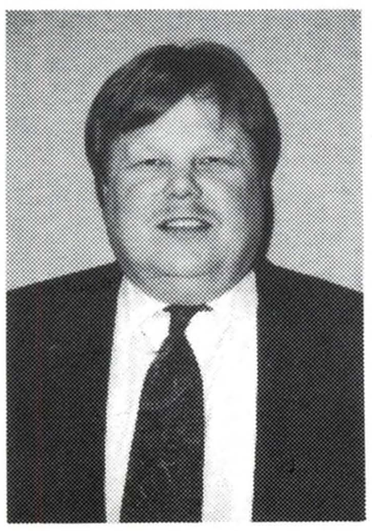
New Parts Rep. at Laniel

Jean-Marc Laniel, president of Laniel Canada Inc., Montreal, Que., is pleased to announce the appointment of Jocelyn Blais as Sales Representative, Parts.



Jocelyn Blais

"With his nine years of experience we sincerely believe that Jocelyn will succeed in his new tasks and we are wishing him the best of luck," says Laniel. Blais previously worked in the parts department of Banco Canada Inc..



Smart Sales Representative

Smart Industries of Des Moines, Iowa, is proud to announce that sales and marketing veteran, Pete Walton, has joined their sales staff as vice president of sales and marketing, eastern division.

Walton has been involved with the coin-op industry for over 12 years and brings a wide variety of experience and knowledge to his newest endeavour at Smart industries.

Walton can be reached at the Atlanta, Georgia, office at 404-460-9777.

NSM Creates New Position

The new year has brought positive changes for the staff at NSM-America.

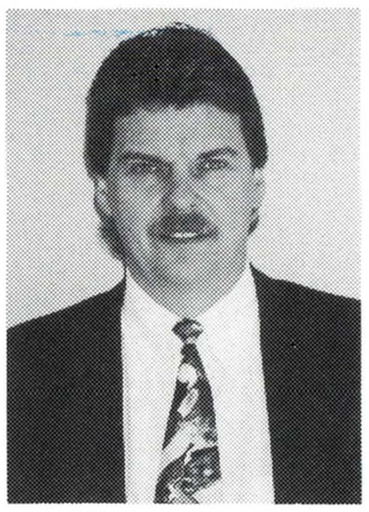
Mike Jablonski, has moved from Service Manager, to Director of Technical Services. The new position includes involvement in all new product development in the U.S. Jablonski will also oversee some production, technical upgrading and will act as NSM's liaison for all products with the factory in Germany.

Also at NSM, Service Technician, Tony Lantz has been promoted to Services Manager. Lantz will oversee the parts and service departments as well as the warehouse. His responsibilities include: answering questions regarding service issues, parts, shipping and delivery questions, and details pertaining to warranty.

Valley hires Blair

Valley Recreation Products, Inc. has hired Doug Blair to lead the sales and marketing team at the Bay city office.

Blair worked for 12 years as a sales manager for WICO Corp. of Niles, IL. The WICO Corp. has a 50 year history of manufacturing and distributing parts and accessories for the coin-op industry. Blair will work closely with Dick Shelton in overseeing the domestic marketing of Valley's dart and pool tables.



Doug Blair

Blair's experience also includes years in the soft drink and snack industry.

Montgomery Joins Quick Silver

Quick Silver Development Company Inc. is pleased to announce the immediate appointment of their new Director of Sales & Marketing for North and South America, Kristin A. Montgomery. She will be concentrating her efforts on providing distributors and national accounts with more service and representation for Quick Silver's line of amusement products.



Kristin Montgomery

Montgomery was previously employed with Data East USA and Sega Enterprises and brings more than eight years of coin-op marketing and sales experience to Quick Silver. Montgomery can be reached at Tel: 408-737-7491, Fax: 408-738-0969.

New at Taito

Taito America Corporation based in Wheeling, IL, has added John Pipp to their coin-op sales team.

Pipp has been with Taito since 1986 working closely with sales as manager of the parts department. He has also served as distribution manager.

AA/Rock-Ola Names New Marketing Executive

Scott D. Smith, a five-year consumer electronics marketing executive, has joined Antique Apparatus/Rock-Ola to head up its marketing department.

Smith's marketing responsibilities will include the company's complete line of CD jukeboxes and accessories.

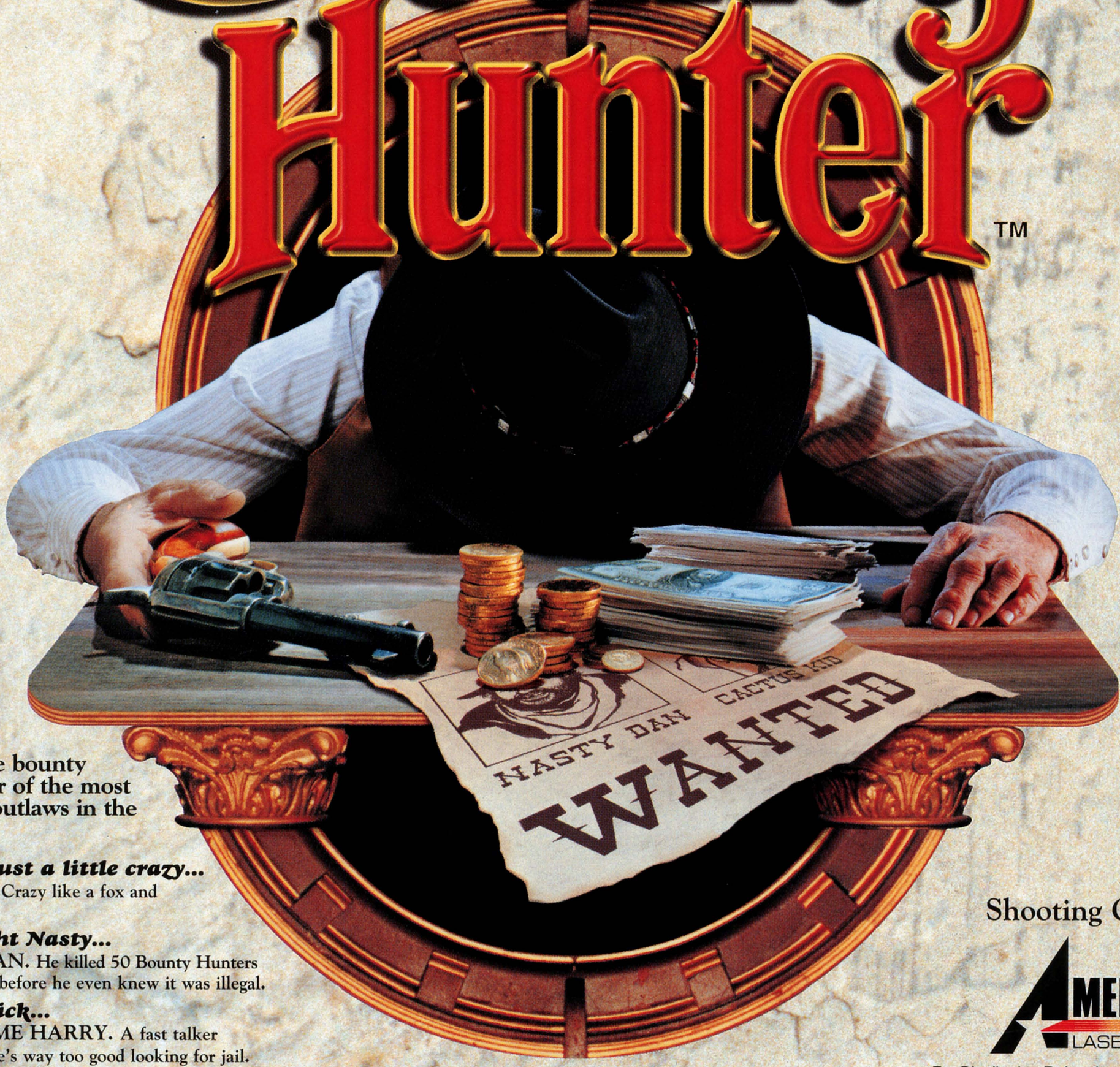
Smith joins the company from Pioneer, where he served as marketing manager for their jukebox and new business divisions since 1991. Smith was responsible for developing and marketing a new line of multiple capacity CD players; assisting in the development of Laser Karaoke; and coordinating efforts for their line of CD jukeboxes. (For a photo, see the cover story, this issue.)

New Namco President/CEO

Namco Ltd. of Tokyo, Japan is pleased to announce the appointment of Kevin Hayes as president and CEO of Namco America, Inc., effective March 1, 1994.

Hayes will remain as president of Namco Operations Inc. and Aladdin's Castle Inc. Masahiro Tachibana, Hayes' predecessor, will return to Tokyo shortly to resume his position as managing director of Namco Ltd.. ❑

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They're just a little crazy...
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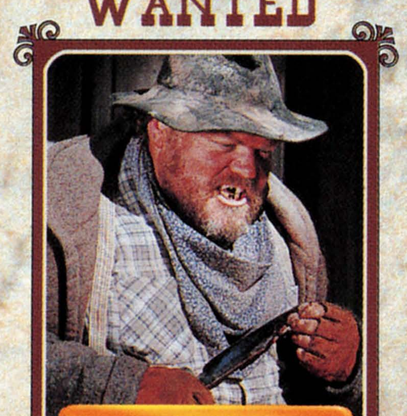
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THE CACTUS KID. Young and fearless with a notch on his gun reserved just for you.

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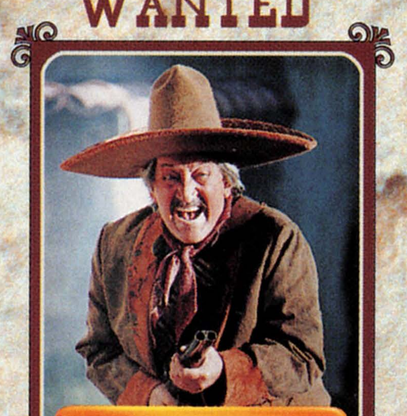
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NASTY DAN

WANTED



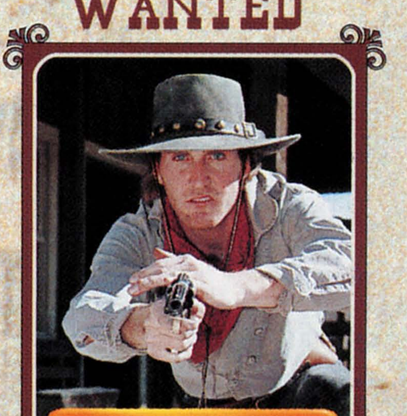
EL LOCO

WANTED



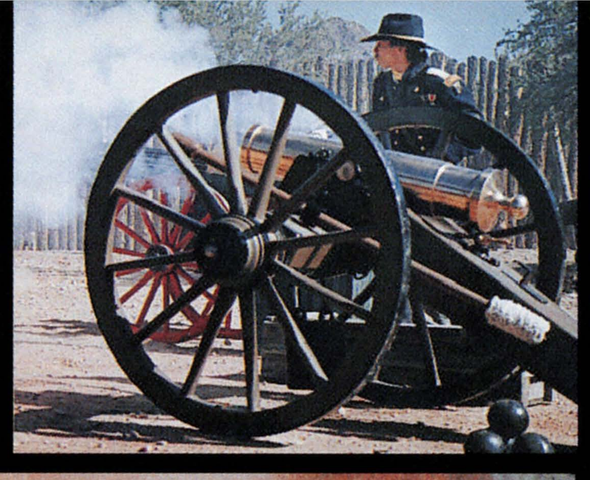
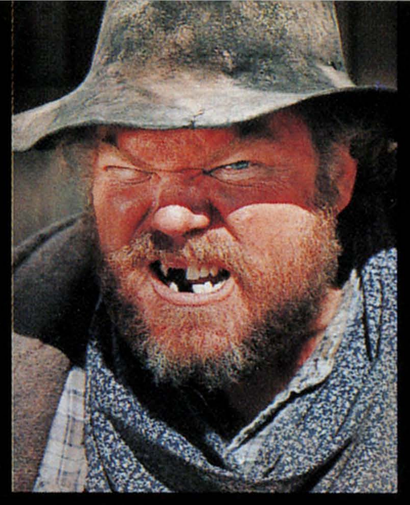
HANDSOME HARRY

WANTED



CACTUS KID











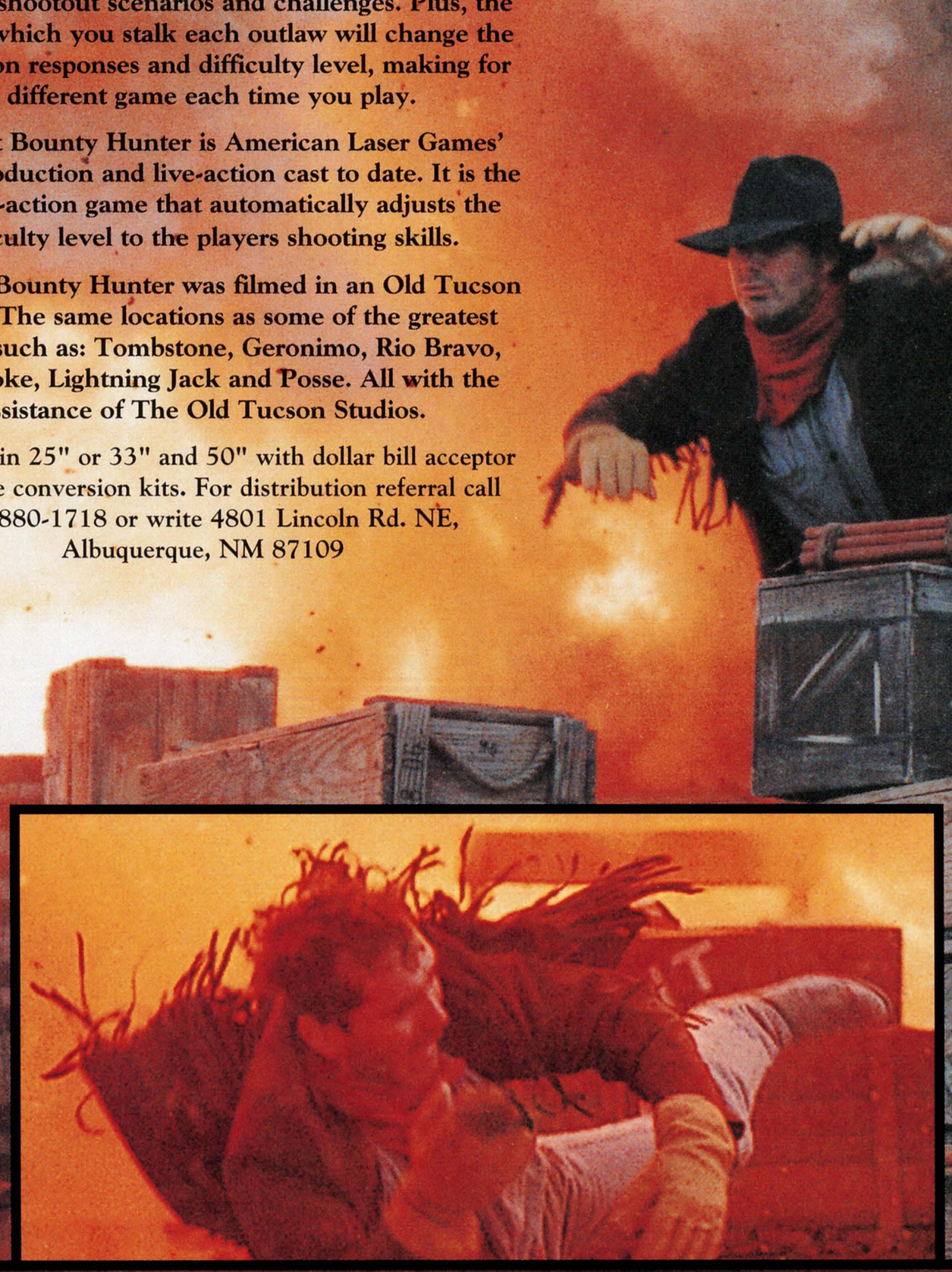
As a Bounty Hunter, you will be equipped with a six-shooter and sometimes a shotgun. Careful—one of the gunfighters that protects the four outlaws is a world record holder in fast draw competition in real life. He is Wes Flowers, renowned world champion.

The pursuit of each outlaw will take you through different shootout scenarios and challenges. Plus, the order in which you stalk each outlaw will change the play action responses and difficulty level, making for a different game each time you play.

The Last Bounty Hunter is American Laser Games' largest production and live-action cast to date. It is the first live-action game that automatically adjusts the difficulty level to the players shooting skills.

The Last Bounty Hunter was filmed in an Old Tucson setting. The same locations as some of the greatest movies such as: Tombstone, Geronimo, Rio Bravo, Gunsmoke, Lightning Jack and Posse. All with the assistance of The Old Tucson Studios.

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COVER STORY

ANTIQUE APPARATUS & ROCK-OLA: MAKING BEAUTIFUL MUSIC TOGETHER

Eighteen months after Rock-Ola purchase, jukebox producer increases production and introduces new "Legend"

Chicago is well-known for its legends involving big business, gangsters, basketball heroes, and coin-op giants like David Rockola. Therefore, it was appropriate that Chicago be the backdrop for the unveiling of the new Rock-Ola *Legend* jukebox.

The *Legend* was a featured attraction at the recent 1994 ACME expo held in the Rosemont Convention Center. Commented one prominent jukebox operator at the show, "The Legend is the most exciting jukebox shown in the last two decades—it made the trip to Chicago worthwhile."



Glenn Streeter and Scott Smith show the new Legend at ACME '94.

The company says, with 100-disc capacity; the industry's only four-high title display; presentation of 16 full-size CD jackets and title cards; visible CD mechanism and great sound performance; the *Legend* received a solid reception from operators and distributors alike. The company says, the craftsmanship and attention to detail that went into the *Legend* clearly indicates that the legacy established by David Rockola is alive and well, be it relocated to California.

The *Legend* marks the first full-sized contemporary-style jukebox introduced by Antique Apparatus (AA)/Rock-Ola since coming under the ownership of Glenn Streeter in September 1992. This new and formidable jukebox conglomerate has gone through a remarkable transformation over the last eighteen months and the company says it now boasts the most extensive jukebox product line in the industry.

The Legend joins the economical Rocket to complete the company's contemporary jukebox line. The Rocket, introduced at the AMOA expo last fall, has already received much praise from operators for offering 100-disc capacity and full sound performance with a small footprint and reasonable price. The company says this "Dynamic Duo" of jukeboxes has many Canadian and U.S. distributors enthusiastic that Rock-Ola will soon return to its place as jukebox market leader.

When asked about how his new Legend was received at ACME, AA/Rock-Ola president, Glenn Streeter modestly replied, "We are very pleased with the results of the show. Everyone kept telling us that the Legend was the hit of the show. And looking at the number of orders our customers placed, they might be right."

Of Canadian distribution, Streeter noted, "We had meetings with several important Canadian distributors and we look forward to strong sales and service throughout Canada." Streeter, an obvious aficionado of jukeboxes and classic machinery, went on to point out with a wry smile that David Rockola, who was native to Canada, would be proud of the new products and company.

Also on display in the AA/Rock-Ola booth and continuing to draw rave reviews was the nostalgic product line that originally put AA on the map. The line is made up of the *Bubbler; Gazelle; Peacock* officially licensed Coca-Cola jukeboxes; as well as reproductions of classic light bars and speakers. Exotic hardwoods, die-cast metals, authentic bubble tubes and dazzling colour cylinders are united with the same Rock-Ola patented 100-CD mechanism, computer, and 280 RMS watt sound system contained in the *Legend* and *Rocket.*

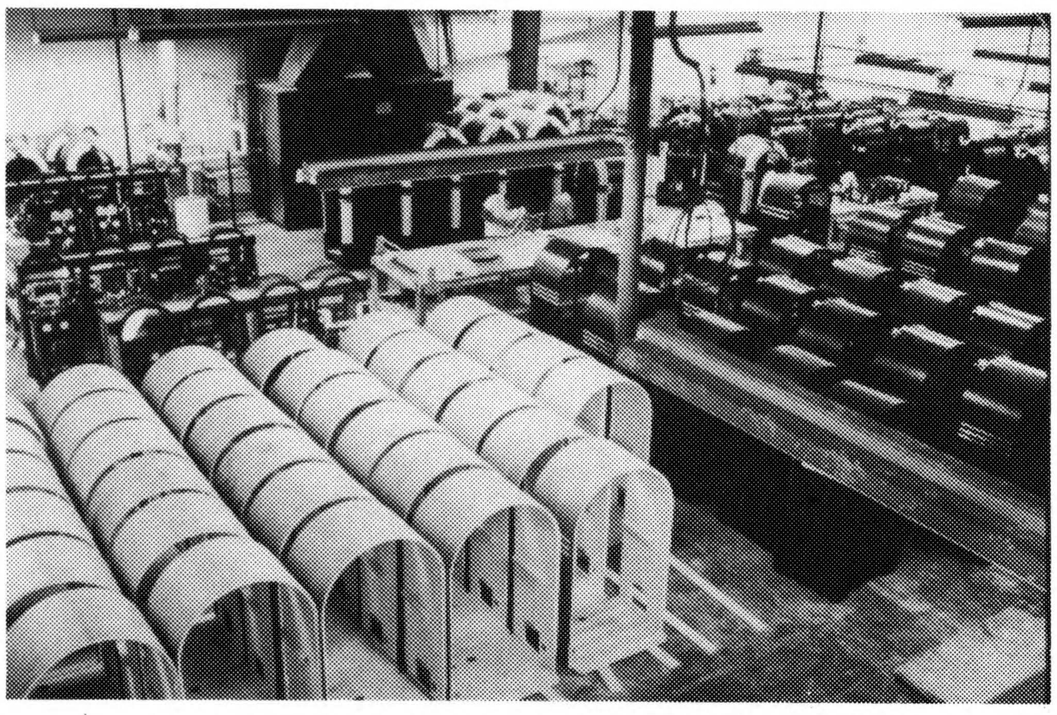
Corporate Background

In September of 1992, it was announced that the jukebox division of Rock-Ola Manufacturing Corporation was acquired by Glenn Streeter, owner and president of Antique Apparatus—producers of fine hand-crafted nostalgic jukeboxes. The resulting corporation merged Rock-Ola's distinguished name with the reputation of quality and innovation of the Antique Apparatus Company.

Streeter is the prominent driving force behind the new Rock-Ola Manufacturing Corporation. Streeter entered the jukebox business over eighteen years ago when he began restoring antique jukeboxes in his garage. His passion for jukebox collectibles turned into a full-time occupation in 1978 as he officially started the Antique Apparatus Company.

Beginning as a restoration enterprise, Streeter and his burgeoning staff of three people began designing and engineering reproductions of the classic *Gazelle* jukebox.

Streeter's garage, and the following two manufacturing facilities, were quickly outgrown as orders for new jukeboxes continued to out-pace production. By the end of 1988, Antique Apparatus was already the fourth-largest jukebox manufacturer in the United States.



Production from start to finish at the AA/Rock-Ola plant.

As Streeter explains, "There is such a demand for high-quality nostalgic jukeboxes that, even with constant additions to our staff and continuous increases in production, we struggle every month to fill all of our orders."

AA/Rock-Ola jukeboxes and speakers grace the homes of many famous actors, rock stars and celebrities, from Michael Jackson to Sylvester Stallone.

They've also served as backdrops for many Hollywood productions. One of Streeter's restorations added nostalgic flavour to the bar in the long-running "Cheers" television show. This particular jukebox is now on permanent display at the Smithsonian Institute in Washington, D.C..

When asked about the company's continued expansion and new product lines, Streeter replies, "Our philosophy is simple, to produce quality products that are attractive, durable and economically priced—we want our jukeboxes to sell themselves. As long as we hold to these principles, we will continue to keep our customers happy and continue to grow."

Rock-Ola Joins The Party

In the middle of the 1992, Antique Apparatus was a well-known jukebox manufacturer respected for having high quality standards in the business. Selling to authorized Rowe/AMi distributors across the U.S. and Canada, Antique Apparatus products were winning praise from operators all over the country.

At this exact time, Rock-Ola Manufacturing Corporation informally announced that their jukebox division was available for acquisition. What had once been a large and powerful arm of the Rock-Ola empire had declined in recent years.

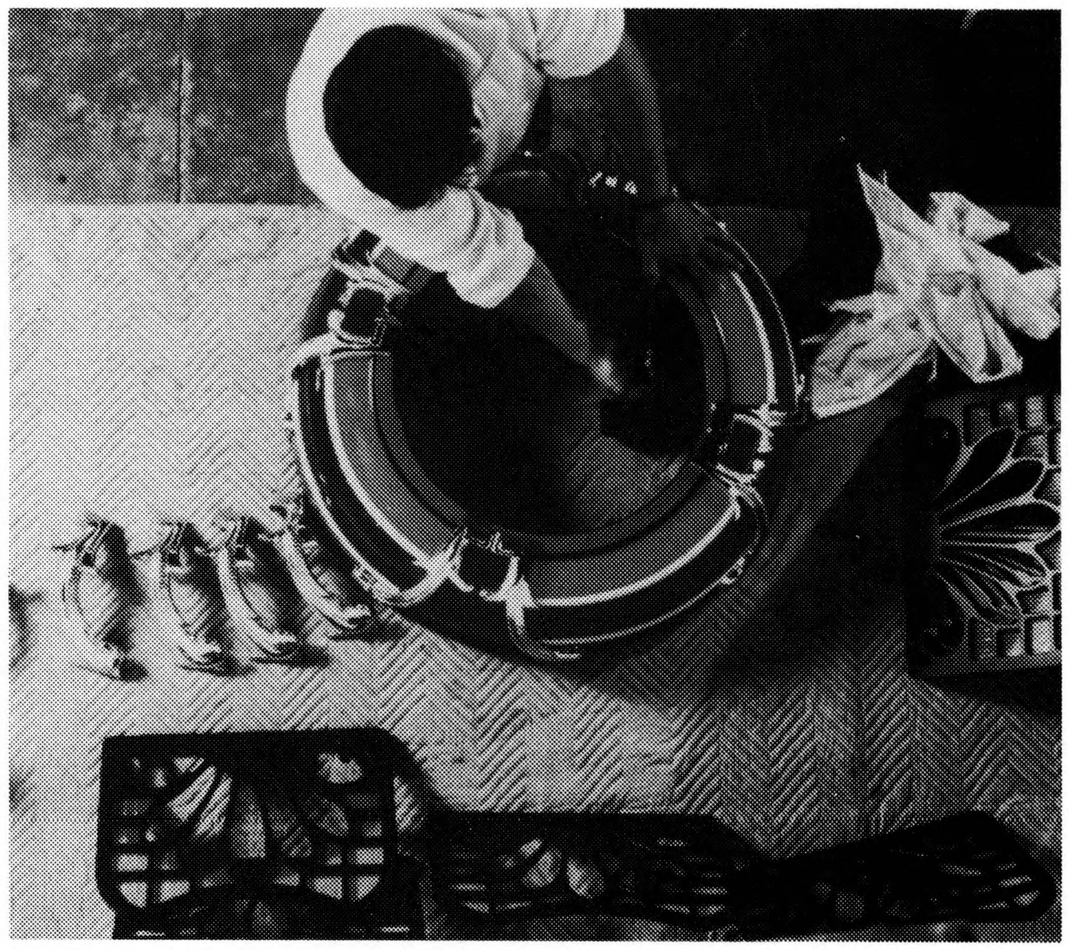
Streeter, upon receiving news of Rock-Ola's availability, reacted swiftly to this opportunity—a bold move during the worst part of the economic recession. Said Streeter, "To inherit one of the most recognizable names in jukebox history, and carry on the philosophy established by the late David Rockola over 60 years ago was a dream come true."

The transaction was finalized in September 1992, when Rock-Ola's manufacturing facilities were packed up and moved west to Torrance, California. Frank Schultz, promoted to vice president of sales, remained in the Chicago area with assistant Ramona Boska and technician David Massa. Together, they serve as the company's Midwest sales, service and technical support operations.

One month later, Streeter and his staff exhibited for the first time under the combined Antique Apparatus/Rock-Ola name at the 1992 AMOA expo. Alongside the nostalgia line was *Gala*, a jukebox designed and named before the acquisition was finalized. As the California operations were further expanded, and all AA products converted to utilize the new AA/Rock-Ola 100-CD mechanism, the company engineered and produced the *Rocket*. Unveiled at the 1993 AMOA in Anaheim, CA, the economically priced Rocket was an instant hit as orders began pouring in. With the full-sized *Legend* added to the line last month, the company says its combined product line is now the most extensive in the industry.

Supporting Cast

Streeter's dedication and sound business principles account for AA/Rock-Ola's success. However, he continually downplays his own impact, instead boasting about the talented staff that "makes him look good."



This rim will eventually house a wall speaker.

Among the executive staff are: Ross Blomgren, chief engineer; Dennis Johnson, chief financial officer; and Russell Etheridge, Streeter's number one assistant and special project manager. The jukebox business is a family affair for Streeter and his wife Jodie, who presides as the company's controller. And with new addition Scott Smith in charge of marketing, AA/Rock-Ola continues to grow and prosper.

The 40,000 sq. ft. manufacturing facility is currently being expanded to 50,000 sq. ft., including the addition of a fourth assembly line, as production is up. As Streeter comments, "In order to meet sales orders, we're only working half days—from 7 a.m. to 7 p.m., and usually six days a week."

New Leader, Time-Honoured Ideas

Upon examination of Streeter's leadership style, it is clear that he shares many of the late David Rockola's corporate convictions. The results for each leader are astounding. David Rockola built his company into one of the largest and most prestigious in coin-op history. Streeter has already made great strides in establishing the current company as a growing force in the industry. And, the company feels, if the response the *Legend* and *Rocket* have received recently is any indication, plan on watching Antique Apparatus/Rock-Ola climb to the very top of the jukebox industry. ❑

TABLE GAME SURVEY

A catalogue-style survey of table games available in Canada

Manufacturers

Amazing Games Corp.

P.O. Box 5305, Portland, OR 97228, tel: 503-282-2296, fax: 503-2282-2396.
Canadian Distributor: Canadian Coin Machine Distributors Ltd., 108-3680 Bonneville Pl., Burnaby, BC V3N 4T5, 604-420-4008.

American International Shuffleboard Corp.

308 Railroad Ave., Hackensack, NJ 07601, tel: 201-488-2889, fax: 201-488-0770.
Canadian Distributors: Canadian Amusement Games Supplies Ltd., 3117 Thunderbird Circ., Burnaby, BC V5A 3G7, 604-421-7042; Casino Vending, 3015 Queen St. E., Unit F3, Scarborough, ON M1N 1A5; Superleague Leisure Inc., The Galleries, Mono Centre, ON L9W 2Y8; G & G Enterprises Inc., 1666 Kathryn Dr., London, ON N6G 2R8.

R.H. Belam Company Inc.

Nassau Plaza, 1 Fulton Ave., Hempstead, NY 11550, tel: 516-292-2670, fax: 516-292-2219.

Betson Enterprises (Div. of H. Betti Ind. Inc.)

303 Paterson Plank Rd., Carlstadt, NJ 07072, tel: 201-438-1300, fax: 201-438-1300.
Canadian Distributors: Canadian Coin Machine Distributors Ltd., 108-3680 Bonneville Pl., Burnaby, BC V3N 4T5, 604-420-4008; Laniel Automatic Machines Inc., 151 Rockland Rd., Montreal, PQ H3P 2W3, 514-731-8571; New-Way Sales Company, 77 Janda Crt., Rexdale, ON M4W 6V7, 416-674-8000; Northwest Amusements (1977) Inc., 1860 Notre Dame Ave., Winnipeg, MB R3H 0X8, 204-633-5751.

Dynamo Corp.

2525 Handley-Ederville Rd., Richland Hills, TX 76118, tel: 817-284-0114, fax: 817-284-7606.
Canadian Distributors: Aactive Coin Machines Ltd., 25 Dawson Rd., Winnipeg, MB R2J 0S6, 204-237-5966; Alberta Shuffleboards, 10331-178th St., Edmonton, AB T5S 1R5, 403-486-4263; Canadian Amusement Game Supplies, 3117 Thunderbird Cres., Burnaby, BC V5A 3G1, 604-421-7042; T. W. Gilchrist Vending, 50 Eugene St., Toronto, ON M6B 3Z4, 416-256-0377; Laniel Canada Inc.. 7101 Trans Canada Highway, St. Laurent, PQ H4T 1A2, 514-336-5050; Pacific Vend Distributors, 8250 Fraser St., Vancouver, BC V5X 3X7, 604-324-2164, 800-663-5953; Starburst Coin Machines Inc., 717 Kipling Ave., Etobicoke, ON M8Z 5G4, 416-251-2122.

T. W. Gilchrist Vending

50 Eugene St., Toronto, ON M6B 3Z4, tel: 416-256-0377, fax: 416-256-0381.

Imagination Leisure

251 Dixon Avenue, Amityville, NY 11701, tel: 516-842-4242, fax: 516-842-0532.
Canadian Distributor: New-Way Sales Company, 77 Janda Crt., Rexdale, ON M4W 6V7, 416-674-8000.

Imperial International

5116 Azuza Canyon Rd., Irwindale, CA 91706, tel: 818-962-1024, fax: 818-962-1311.

Innovative Concepts in Entertainment (I.C.E.)

1501 Kensington Ave., Buffalo, NY 14215, tel: 716-833-0481, fax: 716-833-1342.
Canadian Distributors: Alberta Shuffleboards, 403-486-4265; Canadian Amusement Games Suppliers, 604-421-7042; Canadian Coin Machine Distributors, 604-420-4008; T. W. Gilchrist Vending, 416-256-0377; Laniel Automatic Machines, 514-731-8571; Laniel Canada Inc., 514-336-5050; New Way Sales Co., 416-675-6005; Pacific Vend Distributors, 604-324-2164, 800-663-5953; Southern Music Ltd., 403-291-1666; Starburst Coin Machines Inc., 416-251-2122.

Northwest Amusements (1977) Inc.

1860 Notre Dame Ave., Winnipeg, MB R3H 0X8, tel: 204-633-5751, fax: 204-694-5035.
Distributors: Poara Enterprises Ltd., 259 Edgeley Blvd., #11 & 12, Concord, ON L4K 3Y5, 416-660-1107; Laniel Canada Inc., 7101 Trans Canada Highway, St. Laurent, PQ H4T 1A2, 514-336-5050.

Tornado Table Soccer Inc.

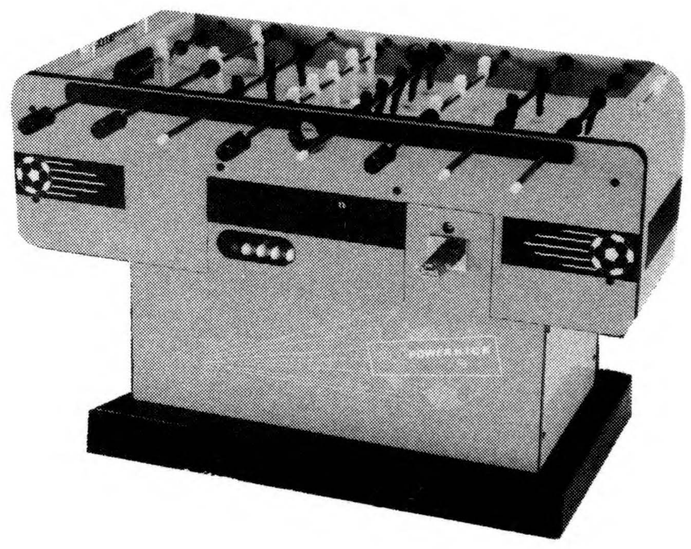
4949 Rendon Rd., Fort Worth, TX 76140, tel: 817-483-6646, fax: 817-561-2899
Canadian Distributor: Canadian Coin Machine Distributors Ltd., 108-3680 Bonneville Place, Burnaby, BC V3N 4T5, 604-420-4008; New-Way Sales Company, 77 Janda Crt., Rexdale, ON M4W 6V7, 416-674-8000.

Valence Automatique Inc.

8501 Delmeade, Montreal, PQ H4T 1M1, tel: 514-731-3057.

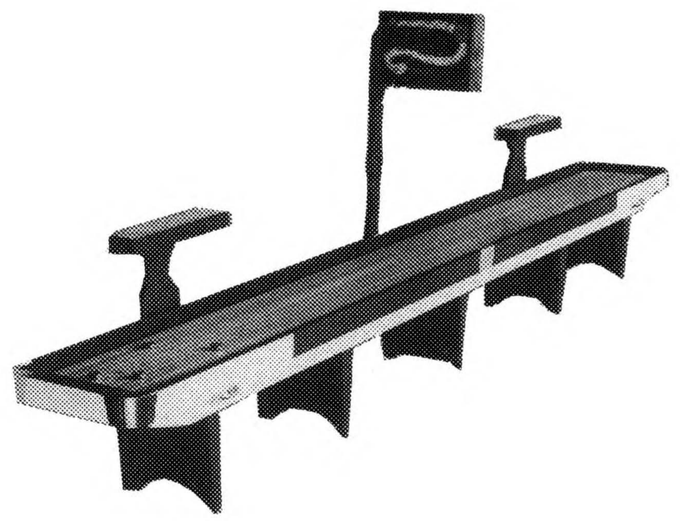
Williams Electronics Games Inc.

3401 N. California Ave., Chicago, IL 60618, tel: 312-961-1000, fax: 312-961-1060.
Canadian Distributors: (British Columbia) Pacific Vend Distributors, 8250 Fraser St., Vancouver, B.C. V5X 3X7, 604-324-2164, 800-663-5953; (Ontario) Starburst Coin Machines Inc., 717 Kipling Ave., Etobicoke, ON M8Z 5G4, 416-251-2122; (Quebec) Laniel Automatic Machines Inc., 151 Rockland Rd., Montreal, PQ H3P 2W3, 514-731-8571.



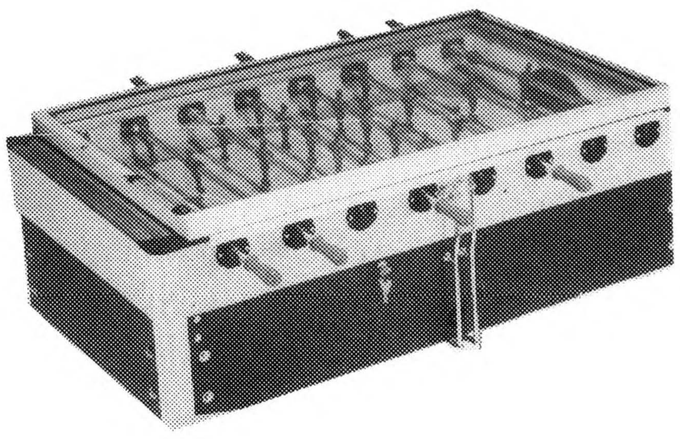
Amazing Games

Powerkick Tournament 2000: Features high-impact resistant player figures, counter balanced and designed for better ball control; solid steel, chrome-plated rods; adjustable coin mechanism; and wear-free bearing plates. The cabinet is made of high density fibreboard with a plastic laminated finish and plywood reinforcement for lasting durability.



American International Shuffleboard Co.

Royal: With a scoreboard lit by pedestal florescent lamps, this unit features: Pin Gate control, consisting of steel pins that rise across the center of the table at the conclusion of each game; Dura-Lak finish; climatic adjusters to keep playing surface true and level; Electric (Digital) Scoreboards; Sparkler Weights; and tournament kits.



R.H. Belam

Belita World Sport Foosball: Produced exclusively for Belam, this glass top unit features, tempered glass top, telescopic rods with ball bearings, tamper-proof ball return, aluminum legs, playing field of tempered glass, patented "Quiet Play", and adjustable pricing form 25 cents to $1.

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CANADIAN DISTRIBUTORS:
Canadian Coin Machine Distributors Ltd., Burnaby, B.C. (604) 420-4008
New-Way Sales Company, Toronto (416) 674-8000 Edmonton (403) 448-0070



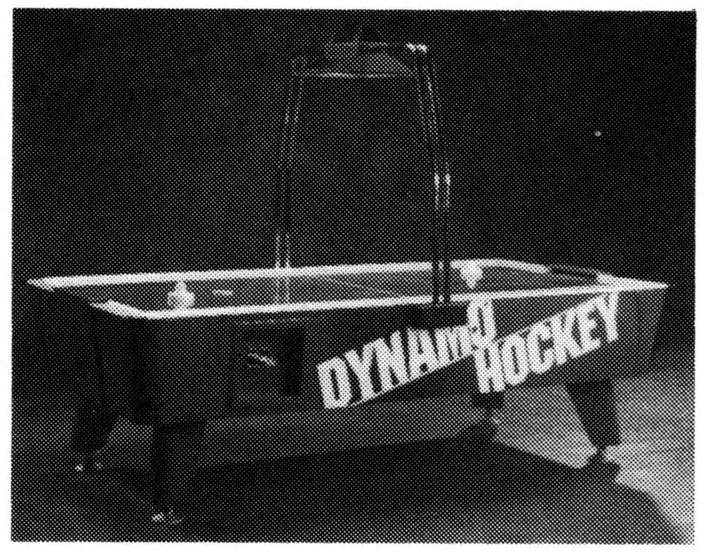
Betson Enterprises

Hyper Disco Taifun Deluxe: With electromechanical coin mechs, this table offers overhead scoring with integrated black light; radial compressor fan with 61 db noise level; operator adjustable timer and goals per game; and digital displays for goals scored and time remaining. The playing surface is plastic coated, and an all-around profile strip keeps puck in the game.



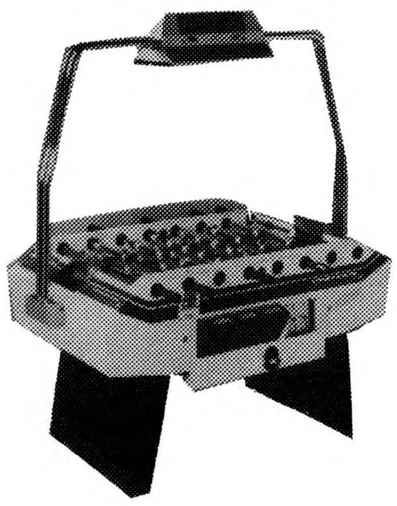
Dynamo Corporation

Comet Air Hockey: Featuring a "glow in the dark" appearance package, this unit has a heavy duty, long-wearing, laminate top; premium blower and rails, centerline for tournament play and deluxe mallets and pucks. All-plywood cabinet, electronic scoring with digital readout and high-impact polystyrene leg system are also featured. A junior model is available.



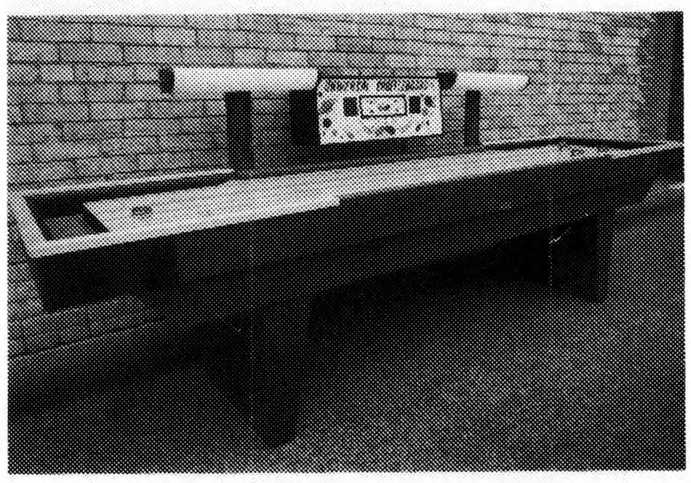
Dynamo Corporation

Hot Flash Air Hockey: Hot new looks and fast play highlight this new game. Features include: large, digital, readout scoreboard; purple top accents; premium blower and tournament-tested rails; optional side shield to protect bystanders and get the puck back in play quicker; and a playing surface of special, heavy duty laminate with integral centerline and standard width goals.



Dynamo Corporation

Striker Electronic Soccer: Available in electronic or mechanical, sport stripes or black marble, this table features: three game options; single ball vend system; transparent goal for more spectator visibility; timed games; adjustable pricing, overhead scoreboard, and shot speed meter; player-approved telescopic rod design; and unbreakable, realistic figurines.



T. W. Gilchrist Vending Ltd.

Universal Shuffleboard: Available in Maple hardwood top or their Diamond top surface, this unit eliminates free games with a timed pingate control system. Other features include: digital scorehead; multiple time settings, price settings, and point settings; full accessability from side and front of scorehead, large digital score indicators; and Coinco coin mechanism.



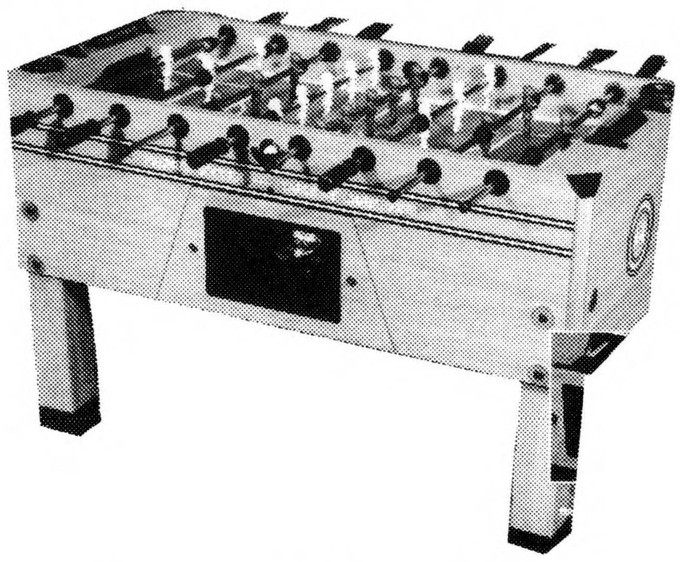
Imagination Leisure

Neon Aire: Hot neon lighting highlights the chrome-pated Top Scorer, and both goals also glow with neon. This air cushion hockey game features the dramatic appeal of a Black and Chrome designer cabinet and a Stainless Steel Top that won't wear out. Also available with a mica top.



Imagination Leisure

SST: Featuring a Stainless Steel Top, this air cushion hockey game has a distinctive red, white, and blue cabinet that provides serviceability and durability. An optional Top Scorer system is available on all new SST's and can convert any existing SST to both Big Digital Scoring and Over The Top Scoring at the same time. Also available with a mica top.



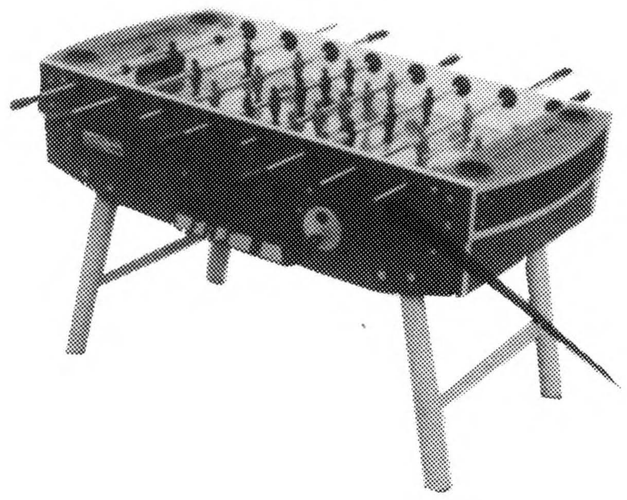
Imperial International

Premier Championship Soccer Table: Made of burn-resistant, laminated Navajo oak, this model features a one piece Lexan playfield for better ball control and less scratches. Other features include: solid rods, triple chromed; longer, soft rubber handles; steel cross power construction; brushed aluminum corners; drawer system; and solid fibreboard core and legs.



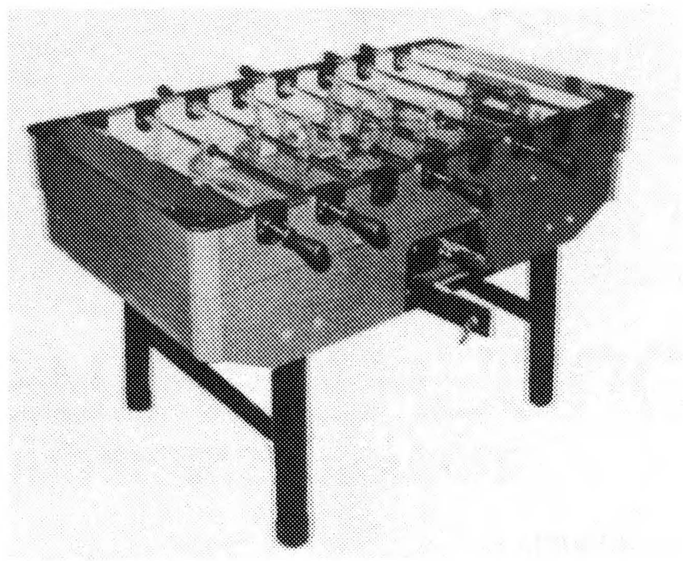
I.C.E

Super Chexx: This kinetic action hockey game is designed in two pieces, and can be assembled and connected quickly. Features include: break resistant, polycarbonate dome; overhead scoreboard; unique sound effects; gear/clutch design; specially developed fibreglass composite rods with exterior coating; realistic, three-dimensional players; and an over/under coin door.



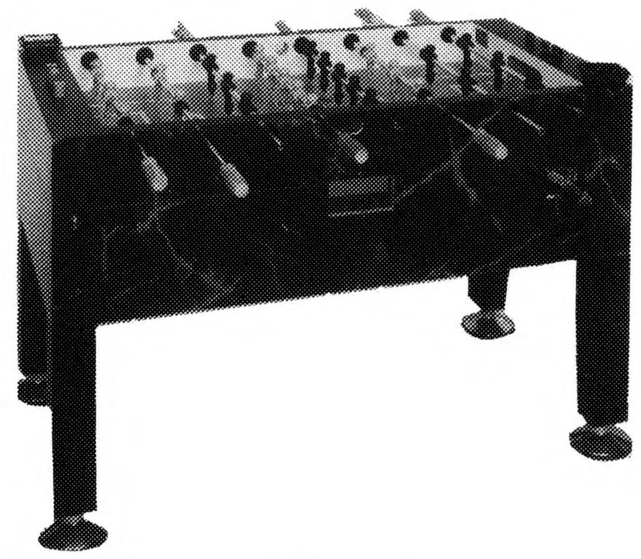
Laniel Automatic Machines Inc.

Baby Foot Soccer: Made in Italy, this model features sturdy metal construction with a formica finish, steel legs, vinyl trim around the game, telescopic rods made of chromed steel, and a push tab coin mechanism. This model is available in two colours, black and green, or black and red.



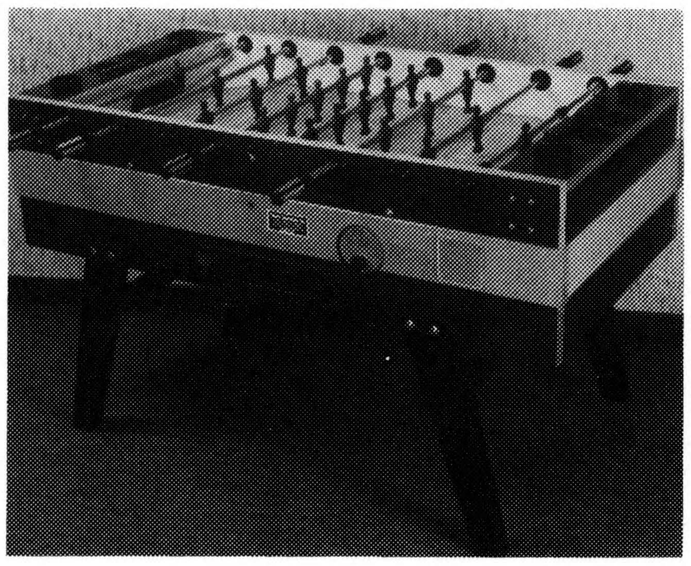
Northwest Amusements

FA. BI Foosball: Made of all plywood construction, this model features 18mm telescoping rods, internal score keeper, sealed bearing guides, stainless steel top rail, and tempered glass playfield. It is also ESD4 coin chute adapted.



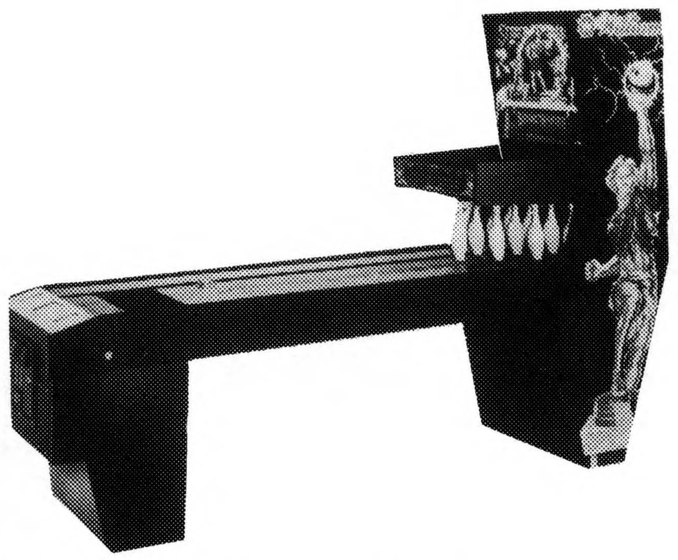
Tornado Table Soccer

Tornado 2000:This unit offers several custom features including: a metal-reinforced, hand-crafted cabinet, constructed from 3/4", grade "A" fiberwood; high pressure laminate surface for a perfectly levelled playing field; custom designed rods of a special alloy, high-carbon tubing; a patented man, engineered from head to toe to enhance the game, and a precision foosball.



Valance Automatique Inc.

Garlando Deluxe Professional Soccer Game: This heavy duty, deluxe game features: a high density, plywood table and hardwood legs with washable plastic paint; telescopic rods of high resistance steel with thick chrome plating; nylon bushings with ball bearings for high speed; reflection preventing tempered glass; and a heavy metal coin box with lock unit.



Williams Electronics Games Inc.

Strike Master: This shuffle alley uses a dot matrix display system for visual prompts and entertaining effects. Triple Strike, Regulation, Strike 90 and Flash are all games featured on this unit. A diagnostic and bookkeeping program, WPC System, is also included. An optional ticket dispenser and "Mini" Strike Master are also available.

ACCESSORIES

Biederman Design Labs

P.O. Box 36097, San Jose, CA 95158,
Tel: 408-723-7401, Fax: 408-723-488

BDL Tournament Hockey: Universal score keeper is compatible with Dynamo air hockey tables and can be installed in minutes on other tables. Kit includes digitized speech in four languages: English, Spanish, German, and French. Other features include: CPU handled, multi-coin acceptors; fluorescent light for table illumination; single switch adjustment for selecting language, coins and time; and sturdy, 12 gauge steel construction.

BDL Shuffle: Universal score keeper for shuffleboard tables. Features include: large 4" displays; two-sided standard play or three-sided for tournament play; on-board coin counter and beeper; interfaces with multi-coin acceptors; fully programmable cost and time; and software that supports all pingates. Constructed of 12 gauge steel and installed in minutes, the kit includes: button assemblies, ready-made harness, and all the necessary hardware.

CALENDAR

CAMA '94

May 14-15, 1994. Canadian Automatic Merchandising Association Convention at Place Bonaventure, downtown Montreal. Contact: CAMA 416-932-CAMA, Fax: 416-932-3732.

VNEA 8-Ball Championships

May 28-June 4th, 1994. 14th Annual VNEA 8-Ball League Association International Championships, Riviera Hotel & Casino, Las Vegas, NV. Call your charter for info.

NCSA Trade Show

July 20-23, 1994. National Coffee Service Association at Chicago Hilton & Towers, Chicago, IL. Contact NCSA, 703-273-9008, Fax: 703-273-9011.

Billiard Congress Trade Expo

July 21-23, 1994. Billiard Congress of America International Trade Expo, Sands Expo & Convention Center, Las Vegas, NV. Contact: Frank Zdy at 619-278-3877.

AMOA Expo 94

Sept. 22-24, 1994. Amusement and Music Operators Association's annual expo. Held at San Antonio Convention Center, San Antonio, Texas. Contact the AMOA at 312-245-1021.

OCSA '94

Oct. 28-29, 1994. The Ontario Office Coffee Service Association, convention at the International Plaza Hotel & Conference Centre. Contact: Pamela Foster, 416-510-8036.

QCSA '94

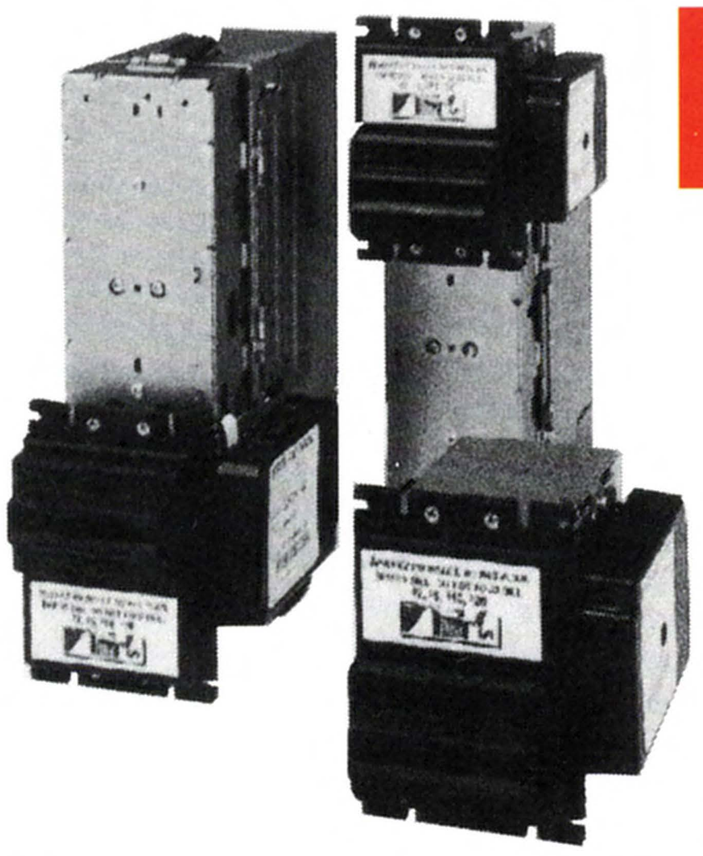
Oct. 29, 1994. The Quebec Coffee Service Association is holding its annual show and convention at Sheraton Hotel in Laval. Contact the QCSA at 514-444-7666.

NAMA 1994

Nov. 3-5, 1994. National Automatic Merchandising Association's national convention & trade show, Georgia World Congress Center, Atlanta, GA. Contact: NAMA at 312-346-0370.

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FA BI Foosball



Compare Quality

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- ESD4 Coin Chute Adapted
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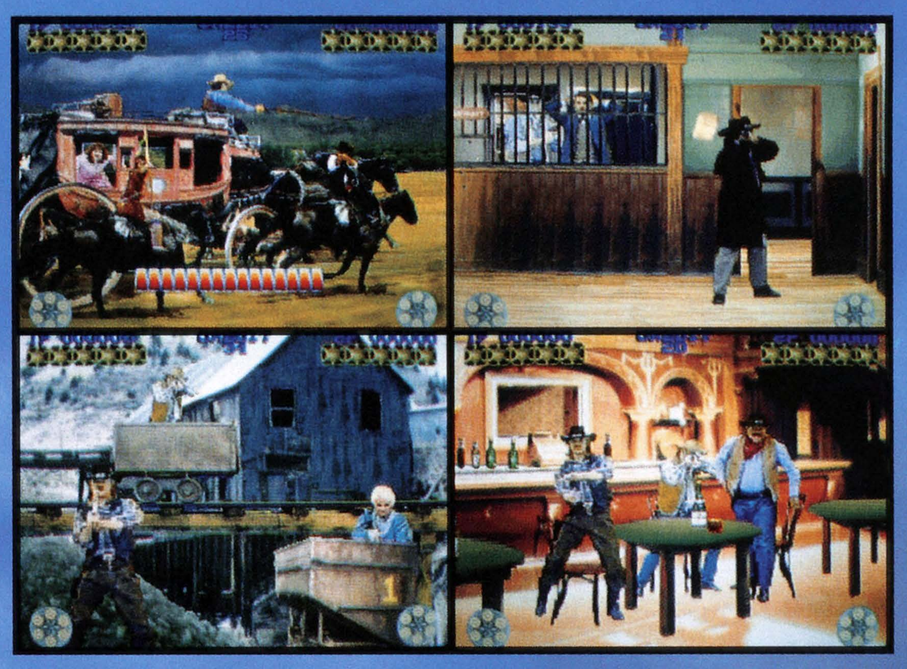
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- Standard & Street versions (dip switch)
- Optional carnage mode (dip switch)
- 6 special western weapons



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So come on down and hop on the wagon as y'all help the deputies diffuse a bank robbery and thwart a stagecoach holdup. If y'all are sharp shootin' enuf y'all rack up points in the bonus stage by breakin' bottles behind the bar. Now y'all have outraged the boozin', bar bellied, poker cheatin', tobacci spittin' roughnecks. They'll all drag ya out in the alley an' set ya up for a showdown with three gunslingers—who said anythin' 'bout bein' fair. This turns out to be but a mere distraction for robbin' the train. A flippin, crow eatin', gold diggin' geezer has hi-jacked the train and is keepin' 2 horse lengths and a fox's tail between ya. The bundles of dynamite he's loftin' at ya ain't helpin' none either.

By now y'all have definitely dulled ya shootin' abilities. That's ok, we've set up this lovely saloon beauty to toss up a few bottles for ya. Once y'all have honed up on ya targets y'all be faced with the ultimate, bein' lured deep into the dark depths of an abandoned mine. Hallucinations or not the dead will be raised to lob tomahawks and their own heads.

Don't forget and always remember if ya shoot a victim y'all will be demoted to posse. On the other hand if y'all are a perfect shot y'all will be starred U.S. Marshall—Yee Haw!

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Users' Reports

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"The Token Tech eliminates the need to spend hours making up rolls of 20 and 40 Tokens. We are saving enough labor cost to more than pay for it in less than two months."

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Token Size	Capacity	Token Size	Capacity
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.882	9,000	1.000	7,500
.900	9,000	1.125	6,000

Coin	Capacity	Coin	Capacity
US Quarter	7,000	Brazilian 20 Cruzados	4,500
Canadian 25¢	8,000	Venezuela 1 Bolivar	5,000
Australian 20¢	5,000	Chile 1 Peso	4,500
Canadian Dollar	6,000	Ecuador 1 Sucre	4,000

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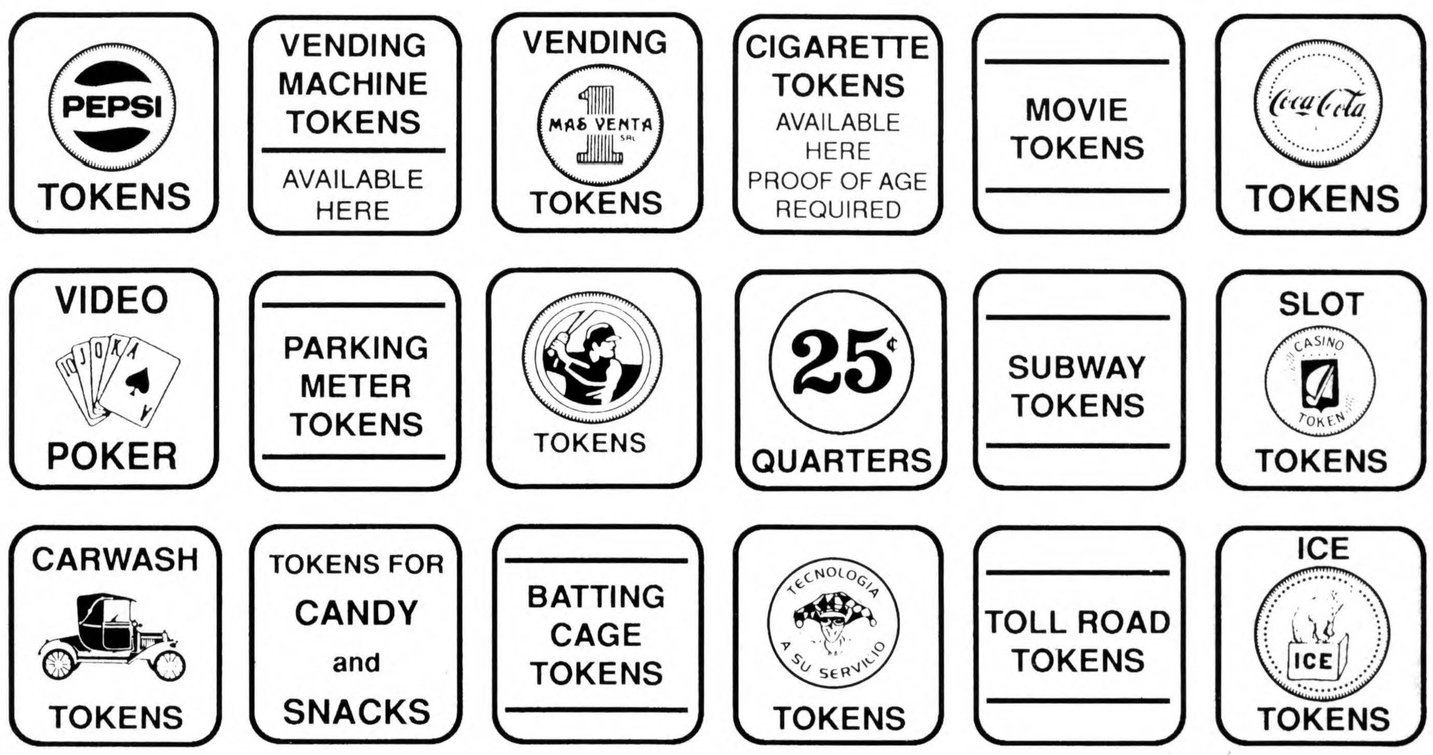
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AIR HOCKEY RULES OF PLAY

The following are the rules of play for the game of air-table-hockey as outlined by the U.S. Air-Table Hockey Association

SCORING

—First player to score 7 points wins the game.

—A point is scored when the puck enters and falls into the goal.

—After a point is scored, the player scored upon receives possession of the puck for the next serve.

CENTERLINE

—If any part of the puck is on the centerline, either player may hit it. If the puck is completely within one player's half of the table, not touching the centerline, the opposing player may not hit it. Violation of this rule constitutes a foul (forfeiture of possession of the puck).

—It is a foul if a player's mallet completely crosses the centerline.

PUCK OFF THE TABLE

—When a player offensively strikes the puck and causes it to leave the playing surface, that player is guilty of a foul.

—If, however, the puck leaves the table while a defensive player is blocking a shot, by moving his mallet sideways, backwards, or not at all, the offensive player is guilty of a foul and the defensive player gets possession of the puck.

—If the defensive player charges forward to block a shot, and the puck leaves the table, the defensive player commits a foul and loses possession of the puck.

LOSS OF MALLET

—It is a foul for a player to lose total control of his mallet.

TOPPING

—It is a foul for a player to "top" the puck by lifting his mallet and placing it on top of the puck.

PALMING

—It is a foul when a player's hand, body, or clothing touches the puck while the puck is on the table and in play.

GOALTENDING

—If a player's hand, body or clothing touches the puck while the puck is moving in a direct path toward that player's goal, goaltending must be called. Goaltending constitutes a technical foul which allows the opponent a free shot at the penalized player's unprotected goal.

7 SECOND RULE

—A player has seven seconds to execute a shot which crosses the centerline. The seven seconds begins as soon as the puck enters and remains on that player's side of the centerline. Violation of this rule is a foul.

FOULS

—If a player commits a foul and is scored upon in the course of the same play, the goal counts and the penalty is nullified.

—If a foul occurs and the innocent player immediately gains possession of the puck anyway, the referee should simply allow play to continue and not interrupt the game.

MALLETS/PUCKS

—Mallets and pucks must meet standards of the U.S. Air-Table-Hockey Association.

TOURNAMENT PLAY

—Tournament play shall begin with a coin toss. Winner has the option of first serve or choosing which end of the table he prefers. Players then alternate first serves and table sides for each subsequent game of that match.

REFEREE FACE-OFF

—Each game in tournament play should be judged by a referee.

—A face-off should be used in a case where the referee is unable to determine which player committed the foul. The puck is placed flat at the center of the table, with players' mallets allowed no closer than one-half inch from the puck. When the referee releases the puck, both players may hit it.

PENALTIES

—Player committing a foul is penalized by loss of the possession of the puck.

—A technical foul allows the penalized player's opponent one free shot at the player's unprotected goal. If the free shot misses, the puck is immediately in play.

For complete rules and tournament information, contact: U.S. Air-Table-Hockey Association (USAA), P.O. Box 1024, Boulder, CO 80306, tel: 303-444-9164 or 713-781-7743.

Air Table Hockey Scores Big With Players

The U.S. Air Table Hockey Association (USAA) is one group that feels air hockey deserves its place among other table sports.

The association feels that anyone should be able to play the game of air hockey in a tournament setting. That's why they don't charge "official" membership fees.

"We don't feel players should have to be members in order to play in our tournaments," says USAA president, Tim Weissman. "We run tournaments to keep the sport alive." Players of all skill levels can participate in their tournaments.

The USAA is a players association designed to promote the sport of air hockey.

Weissman says, tables currently approved by the association are Dynamo, Brunswick, and U.S. Billiards.

Weissman says the association has received help from Dynamo in the past, but is currently looking for a corporate sponsor.

The USAA is currently working on a 15 min. video to promote their sport, for play on the sports network.

Canada also has its air hockey buffs. Weissman says there is a strong Canadian contingent that comes to its tournaments every year from Montreal.

Tournament entry fees are based on rank such as beginner; amateur expert, pro or master and a discount for subscribers of the USAA quarterly newsletter, Table Talk.

Table Tips

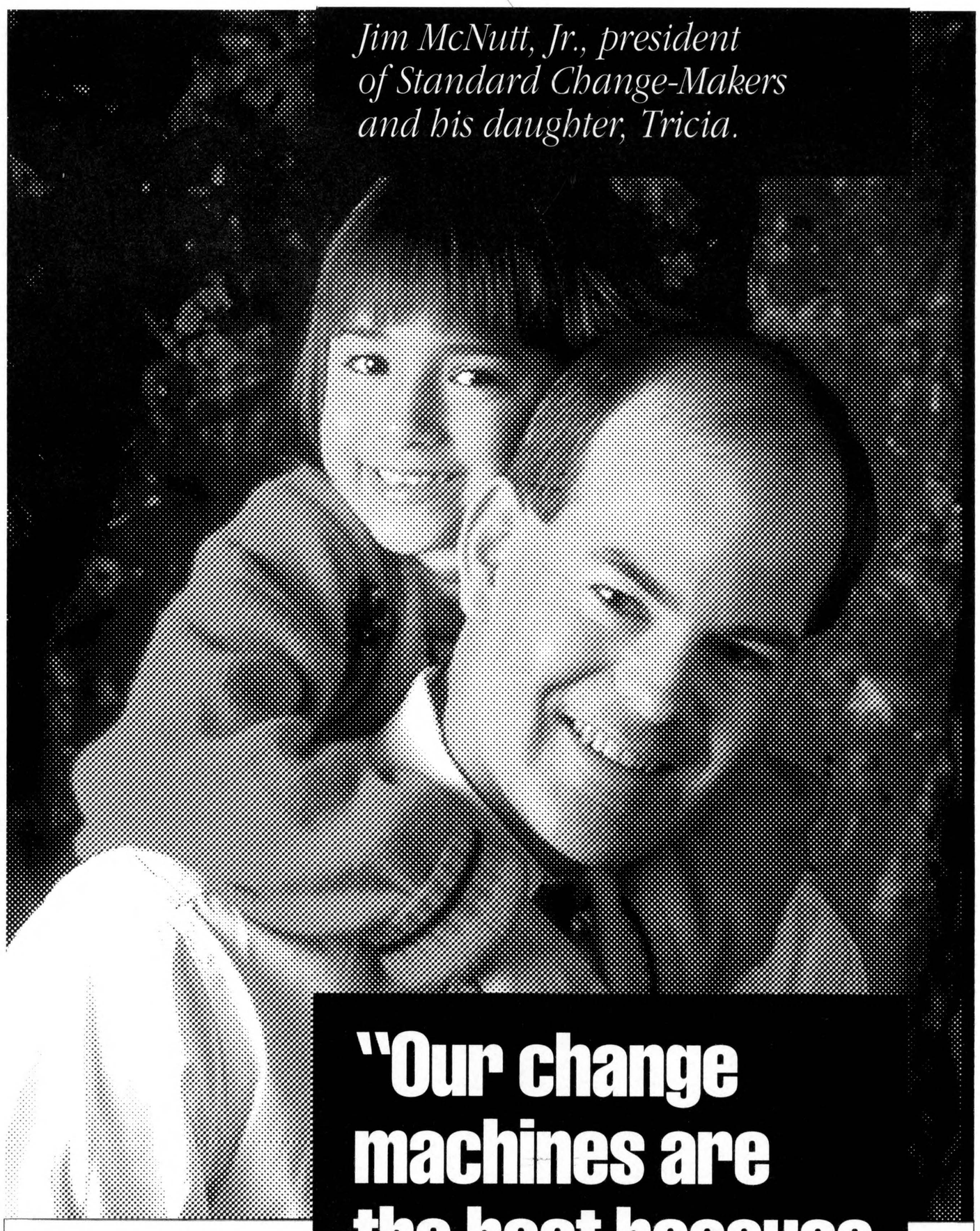
Besides supporting the game of air-hockey through tournament play, the association also encourages basic maintenance—keeping the table in good working order.

Make sure the table is well lit, as operators may be losing revenue on their games if the table is placed in a poorly lit area.

The USAA suggests cleaning the top of the table with rubbing alcohol or window cleaners, not silicone or wax because it will clog holes, coat the surface and slow the puck.

Use high quality mallets and pucks, because cheaper versions wear quickly.

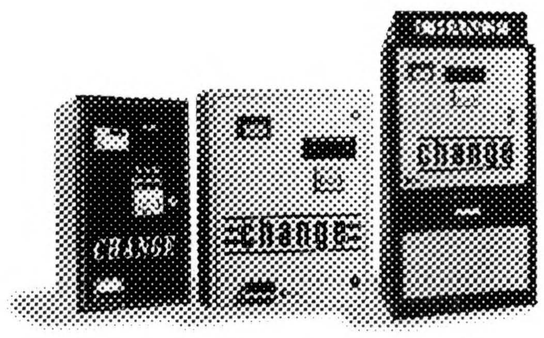
Attach adhesive backed sandpaper to the side or end of the table so the puck can be sanded when it stops floating due to nicks or scratches. Don't apply sandpaper to the metal goal end, as it will tend to rub through the player's pant leg. ❑



Jim McNutt, Jr., president of Standard Change-Makers and his daughter, Tricia.

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ACME IS A HIT IN CHICAGO



Once again the American Coin Machine Expo, pulled off another great show, this year appearing at the Rosemont/O'Hare Exposition Center in Rosemont, Ill., during March 17-19.

ACME '94 featured 957 booths covering the spectrum of coin-op entertainment. There were 63 first time exhibitors and total registered attendance was 8378. Some 42 countries were represented compared to last year's 26.

Redemption City and the Coin-Op Olympics were a hit again this year, according to organizers. A tour of redemption facilities highlighted the beginning of the show on Wednesday.

Following Mike Ditka, in another room, a NAFTA seminar was held, which attracted a smaller turn out, but attempted to address concerns regarding the 4000 page trade agreement between Canada, U.S., and Mexico.

The American Amusement Machine Charitable Foundation's (AAMCF) Annual Appreciation Dinner, honouring Steve Lieberman of Lieberman Music Company, raised plenty charity.

A big theme in the kids area this year was The Flintstones and several exhibitors got into the act.

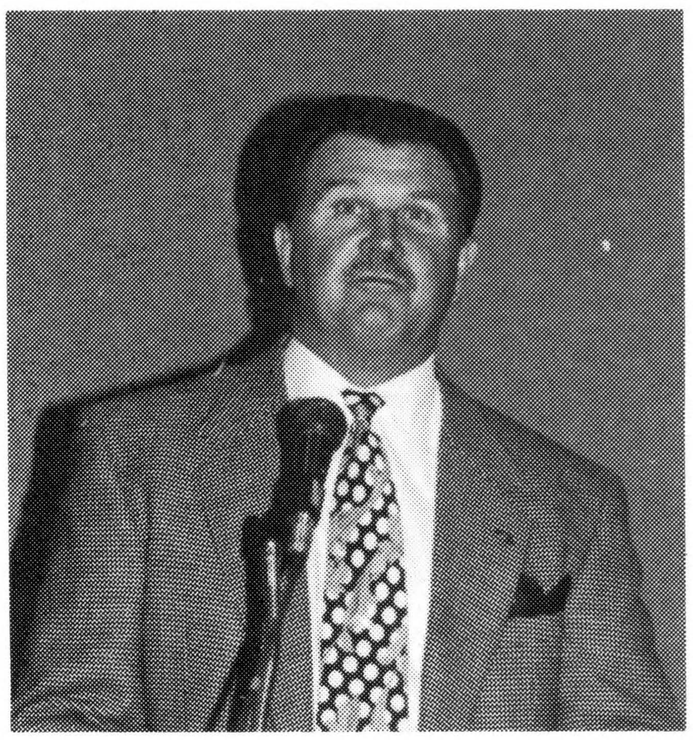
A & A/Parkway Machine Corp. showed their stands and novelty pieces as well as their giant gumball machines, including one ornamented with the Flintstones characters.



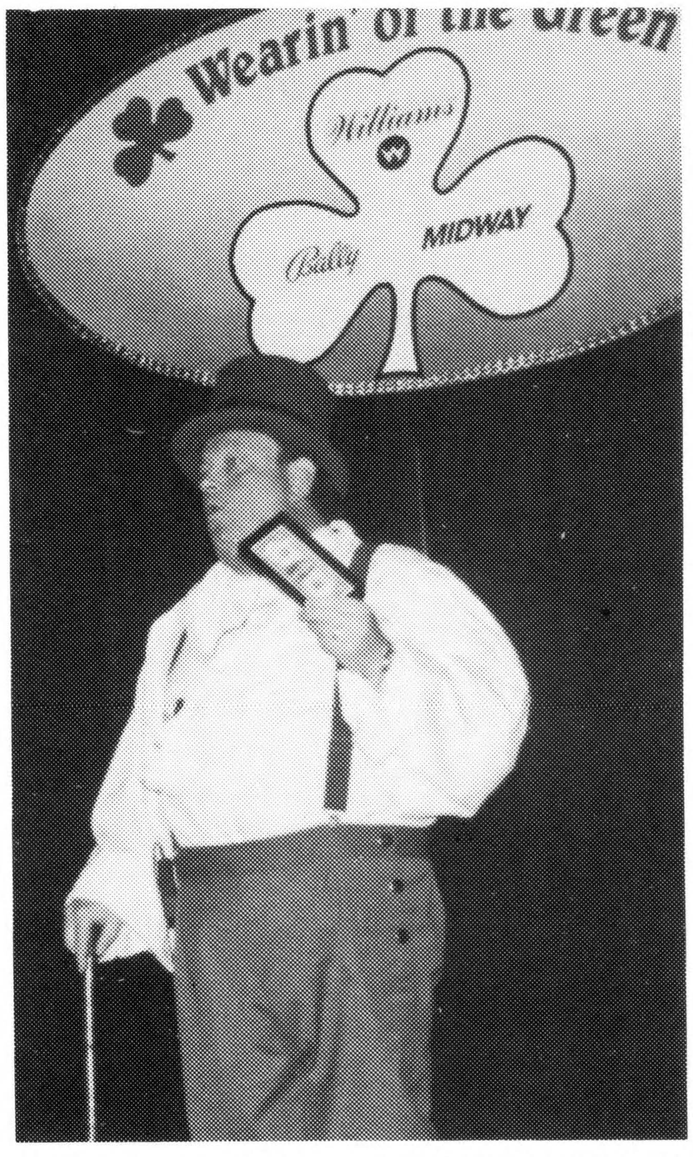
Cutting the ribbon to open the show floor at ACME '94.

On the Show Floor

Manufacturers in every area of coin-op were out in full force displaying their newest and best. Besides videos, pins, and music, redemption was again prominent this year, as well as computer technology for the arcade and route operator. The main focus in this technology was computerized route management for CD music. Among sports themes, soccer was the most popular this year as several game manufacturers had pieces out in time for the World Cup '94.



Mike Ditka motivates listeners at ACME '94.



Joe Dillon of Williams gets into the spirit of St. Paddy's day, while promoting $1 play at William's distributor meeting.

Seminar topics included, redemption; pinball promotion; music business; round tables; technical sessions; and several others pertinent to the industry, drawing a total attendance of 940, up from 1993's total of 923.

On Friday at 8 a.m., legendary coach of the Chicago Bears, Mike Ditka cut into his morning workout to talk to convention goers.

The articulate, down to earth, Ditka spoke about success. He said a successful person is never satisfied, because if you're satisfied, your not going to be successful anymore. He spoke about how his upbringing, his father, and how certain heros influenced his life. He says he follows an ACE philosophy—A for attitude; C for character and E for enthusiasm. He answered queries from the audience and everyone who attended enjoyed his speech.

Redemption, Bulk Vending and Kiddie Rides

If those attending the show this year were primarily interested in redemption, this was their year, as the show offered a lot for the family fun centre, including a tour of redemption facilities in the Chicago area; Redemption City on the floor and exhibitors displaying games and accessories.

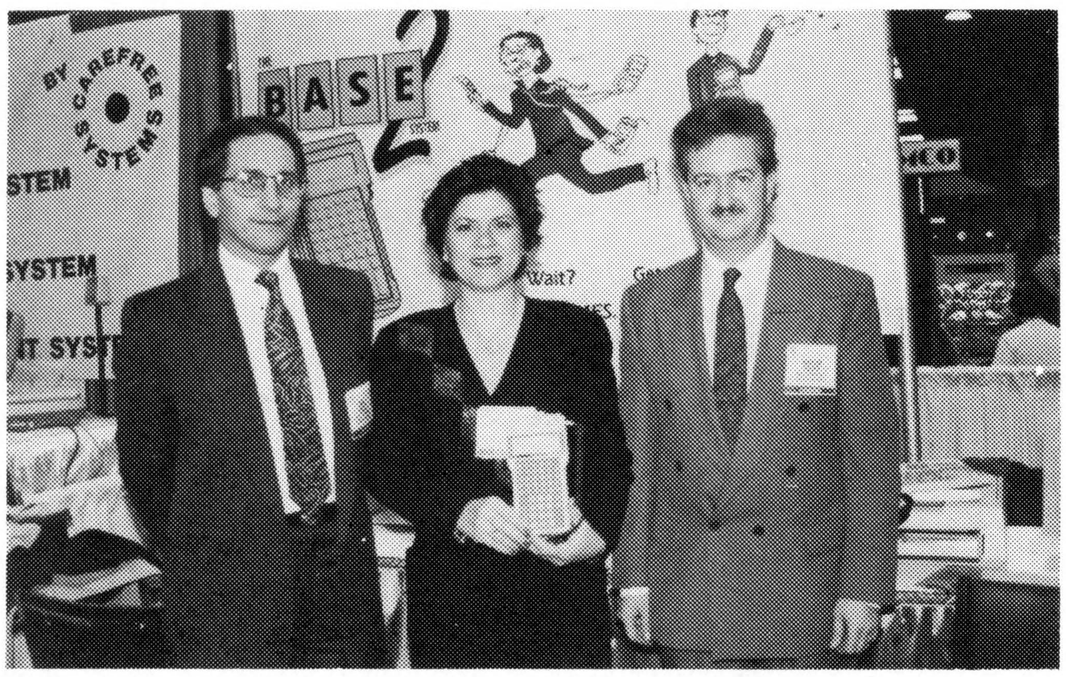
Besides games on display of every shape and description that dispense tickets, there were also companies such as Omni, Arcadia, CA; and Play Pal Inc., Merritt Isl., FL, with their large exhibits of "soft play" children's areas, utilizing nets, balls, tubes and trampolines.



Robert Cadrin of Cadrin Machines in Montreal shows his U.S. version of the Econopak cigarette machine.



At the Pentranic booth with their monitors, James Lee, Richard Gromadzki, Joseph Ma and Mark Trojanowski.



Base 2's Saul Gould, Vera D'Alessandro, and Marlon Silver.



Canadian distributor Michael Cochrane poses with The Kid's Adventure Dome during ACME '94.

New offerings at the **American Sammy Corporation** booth were *Magic Mr. X*, developed as a counterpart to their *Simple Simon* redemption game, and *Coin Circus*, a new idea in a coin drop game.

On display at **Bob's Space Racers Inc.**'s booth was their line of redemption equipment including, new to ACME, *Rising Water* and *Kid's Bowler Roller.*

Coastal Amusements, showed several new games for the redemption market including *Feed Fido; Penalty Shoot Out*, a soccer game; *Pirates Treasure;* and *Jolly Pop.*

New to redemption, **East West Markets Exchange** of Chicago introduced their karate challenge game originally designed for police and student training to the coin-op market. They also have a Canadian office.

Doyle International showed their newest, *Shark Frenzy* among their many redemption pieces.

EMT-America showed their *Mustang* horse, *Mercedes* car, *Rio Grande* train, and *Sky Wolf* helicopter.

Bill Cravens had a deluxe ride on hand manufactured by **I.C.E. Associates, Inc.**, called *SU-1000,* an enclosed, laser disc flight simulator ride that tips and spins to





Karl Feder of Pacific Vend at ACME '94.



Starburst's Mark Kupiec, Ray Fayad and Len Keywood with Midway's Revolution X video game.



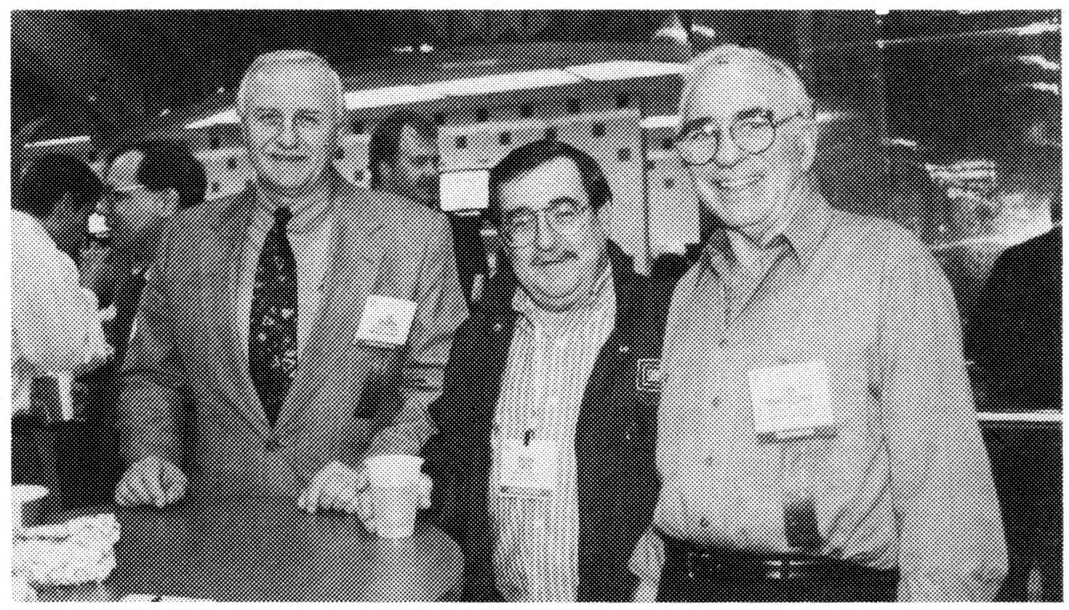
From Daniel Amusement, Montreal, Que., Terry Williams, Linda Hadley and Doug Williams drop by the CB booth.



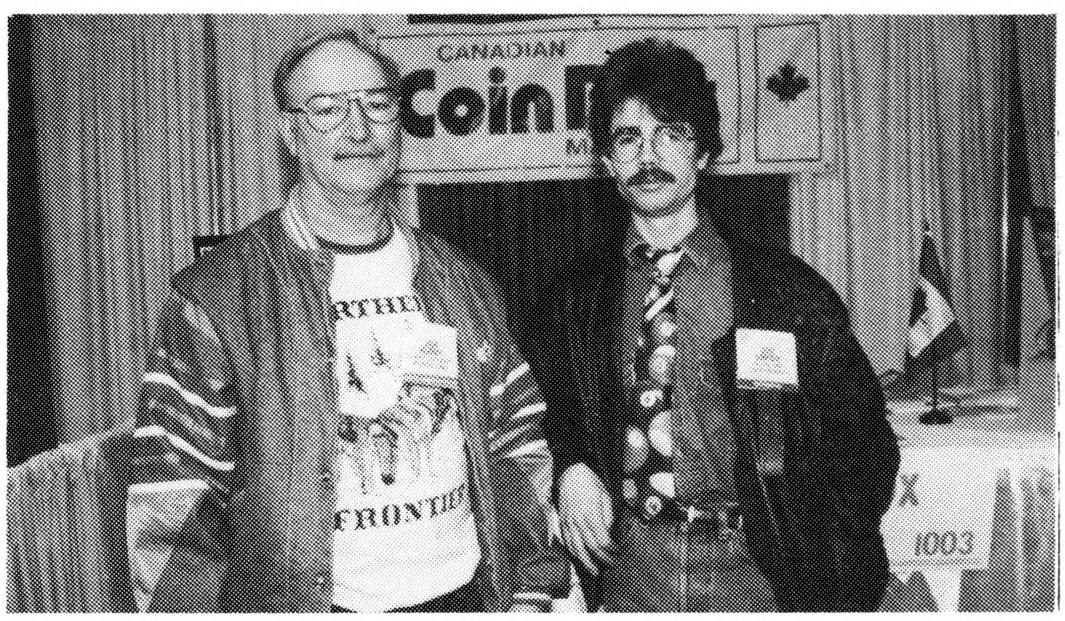
Laniel Automatic's Jean Coutu, Maurice Lapointe, Marc Raymond and Jean Pierre Lefebvre pose in front of NSM's decorative jukes.



From right: Canadians Ralph Winfield and Jim Niblock with Jerry Estes, American Coin Machine.



From Fast Eddy's Arcade in Windsor, ON, Ed Chudyk, Brian Snow and Tom Marocchio.



Jack Murray of JJ Murray Repair Service, Miss., ON, and Gord Simpson of Davis Skill Games , Concord ON stop by the CB booth.

the movements seen on the video screen inside.

Just Kiddie Rides were a big hit with their exclusive *Flintstone* rides. Fred and Barney were also on hand at the booth to greet showgoers.

Lazer-Tron showed their newest redemption pieces, *Wild Thing*, a skill pinball shooting game; and *Shake Rattle & Roll.*

At the **Machine-O-Matic Ltd.** booth, their variety of bulk venders and stands were shown including **Actionmatic**'s *Talking Vendor* with records now available in French and Spanish.

Skee Ball Inc. reintroduced *Merlin's Mirror*, and a new *Progressive Jackpot* sign for *Tic Tac Toe* and *Skee Ball. Tic Tac Toe* also featured a new Bonus Round offering double values.

Smart Industries Corp. had their usual abundance of redemption pieces exhibiting, but paid special attention to their



Stan Jarocki of America Laser Games and Wes Flowers from the company's new Last Bounty Hunter game.

new *Redemption Centre* as all their distributors, including those from Canada, came out to toast the machine with champaign.

Steiner Manufacturing displayed their newest sticker and tattoo lines, licensed *Major League Baseball; Carousel Unicorn* and *Hearts & Sparks*.

Quick Silver showed their newest games including *Fiddle Stix* and *Power Hockey*.

Music

Jukebox alley was rocking this year, as all the main jukebox manufacturers were on hand with their various contemporary, nostalgia and wallmount jukes.

Antique Apparatus/Rock-Ola showed their new *Model 6000*, *Legend,* a contemporary-styled, 100-disc capacity, which has occupied much of their time lately, as well as their *Rocket,* and complete nostalgia line of jukeboxes.

NSM-America Inc. had on hand their line of 100-disc CD jukeboxes, including wall jukeboxes, the *Performer Wall*, *Old Fashion Wizard*, and *FireBird II*. NSM Put On's, *CD Hauler*, *CD Sneaker*, and *CD Cruiser* "dress-up" were also being shown. Also on display was their new *Nostalgia Gold* jukebox. Not on the floor was a new model shown in their hotel suite, which *Coin Box* is not allowed to talk about until next issue, but the new jukebox does promise technological advances.



At the Chicago Lock/CamLock booth, Bob Lovell displays the new Bulk Vending Lock.

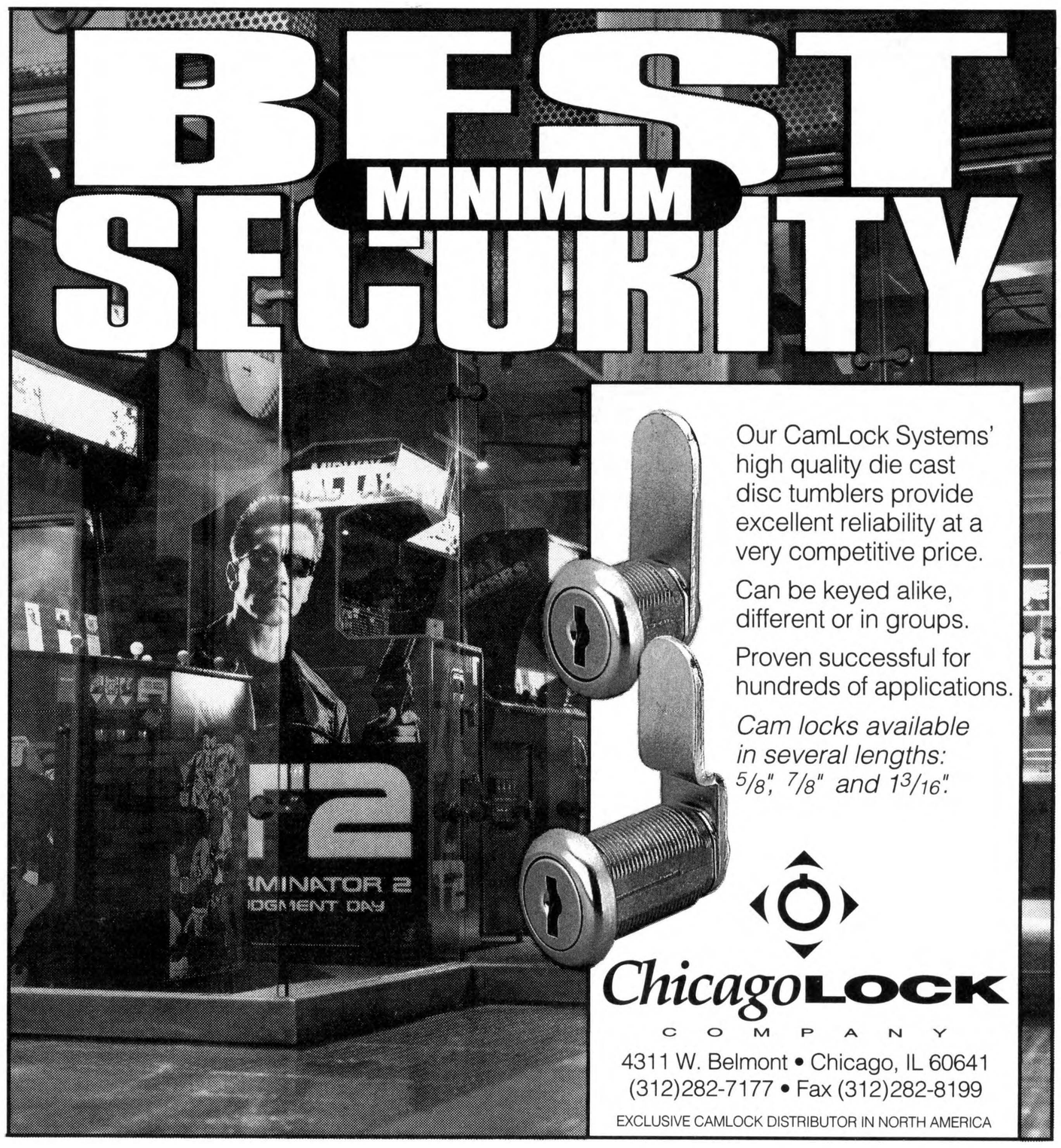
On exhibit at **Rowe International Inc.**'s booth was their *CD-51A* jukebox, *CD-100D Lady In Red*, *CD-100D Black Magic*, *Nostalgia* jukebox, *Wallette*, and *WallStar*, as well as their hideaway. They also showed a new look in their changers, including the *BC-100*, *BC-150*, *BC-3500*, and *SBC-2*, as well as their bill acceptors. Some vending units were also on display.

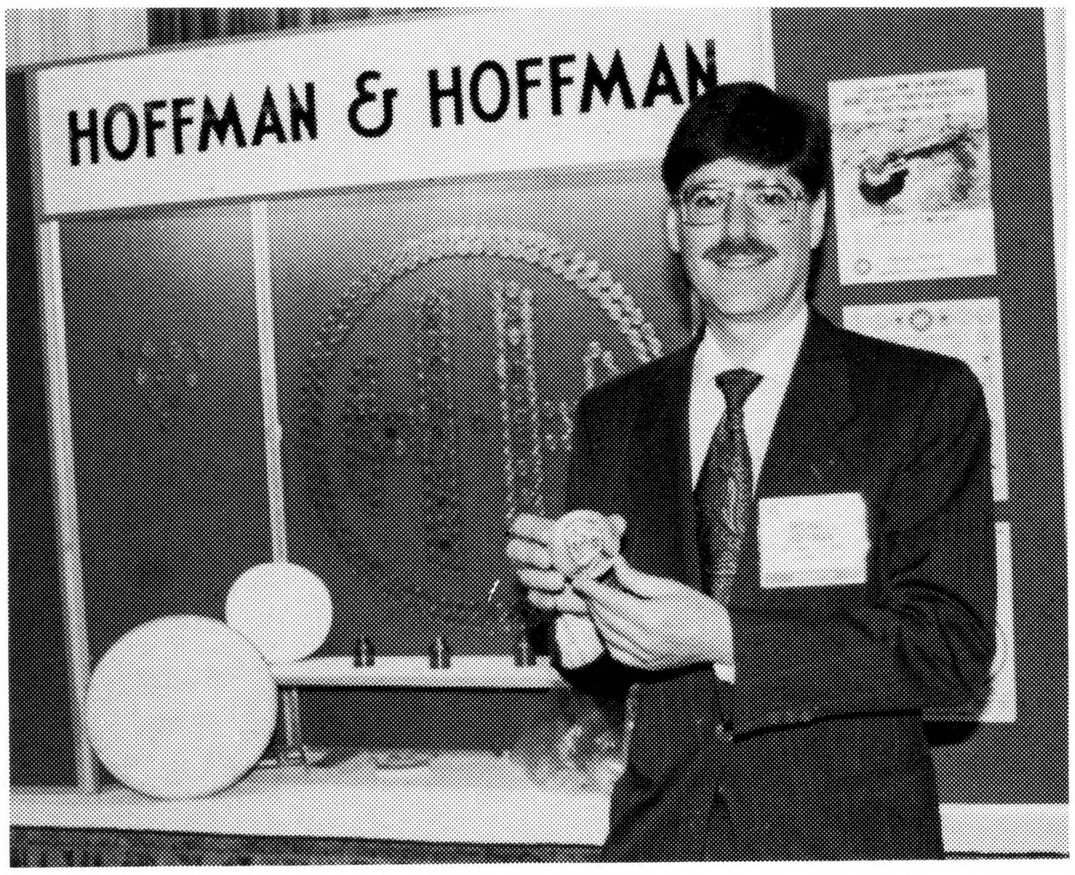
Seeburg, as part of its jukebox display featured their new affordable wallmount jukebox, *WMJ-1*, capable of handling 102 discs.

Wurlitzer had its latest CD jukebox on hand, the *Casino*,



America Sammy's Maria Fotinopoulos and Natalie Kulig with Magic Mr. X.





Michael Hoffman at his booth holding the inaugural coin.

with bright graphics, laser CD tracking and noise/vibration reduction features.

Darts, Pool and Table Games

The pub and league sector was out in full force as manufacturers showed their newest and best in pool, darts and other various sports games.

Arachnid Inc. featured a new *Wild Card Cricket* game where numbers change on the screen, as well as their poker games.



Peter Jones and Brad Weiss of Canadian Amusement Game Supply discuss the Performer Grand with George Haydocy of NSM.

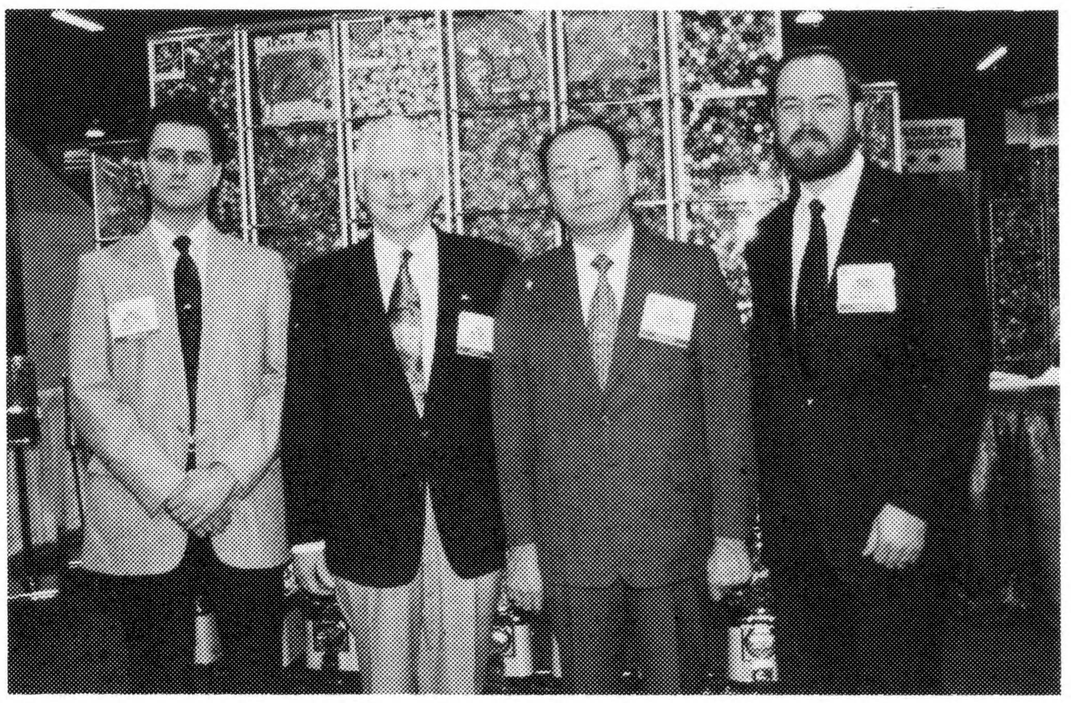
Innovative Concepts In Entertainment (I.C.E.) showed their *Full Court Frenzy II*, *1/2 Pint Frenzy*, *Super Chexx*, *Super Kixx*, and *Hungry Hippo* games.

Merit Industries showed a new game for their *Pinboss* unit, and a new 8-player dart game for the *Scorpion Stinger*.

Valley Recreation Products Inc. showed their new *Cougar ZD-6* model pool table, available in May 1994. They also showed their *Image Series* pool tables, as well as their *Cougar* and *Leopard* pool tables. Their *Cougar* electronic dart machine, with *Fairly Honest Ernie* feature, was also on hand. For league operators, they are introducing new league promotion material and improvements to their *League Machine Automatic Scoring*.

Pinball

The major pinball manufacturers all had something new to show off. The exception was **Alvin G. and Co.**, which closed its doors weeks before the show. (For story see Industry News, this issue.)



Fathers and sons at Machine-O-Matic and Actionmatic. From left: Greg and Ken McPhail and Joe and Bernie Schwarzli.



Ki Park of Poara chats with Frank Fabian of Mars Electronics.



The Nortech staff celebrate St. Patrick's Day in a big way. From left: Robert Sundstran, Dina Janke, Doreen Ban and Robert Thomas.

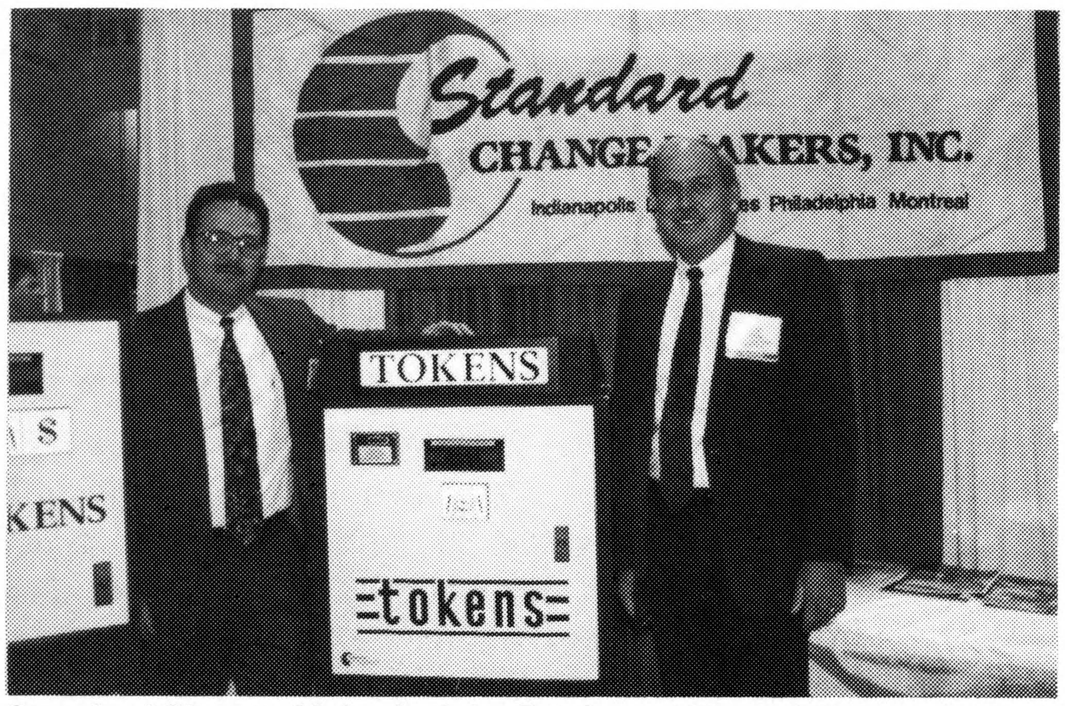
Premier Technology hosted a special promotion to debut their *Rescue 911* pinball, based on the popular television show. Rosemont's Police, Fire, and Paramedics, Departments, as well as the producer of the television show, Rescue 911, competed against each other on the new pinball. Premier also showed their *World Cup Soccer* game although they were sold out at the time.



With Rowe's newest jukebox, from left, Joel Friedman, Paul Kitcha, Bill Brotz , Joe Krestakos and Jerry Chaltis.



Smart distributors toast the new Redemption Centre.



Standard Change Maker's John Doyle and Barry O'Brien with their token machines and changers.

They also showed *Bell Ringer* and *Bullseye* redemption pieces.

Data East showed *Tommy*, their pin modeled after the Who's rock opera and the broadway hit show. They also had on hand, some new Neo Geo games—*Spin Master, Windjammer* and *Capt. America,* and the new redemption piece, *Carousel.*

Several Canadian operators and distributors said **Williams, Bally/ Midway** booth was the place to be during ACME this year. They showed their newest pins, Williams' *Star Trek Next Generation*; *Demolition Man*; and Bally's official licensed *World Cup Soccer* pin featuring the character Striker.

On the video side Midway showed their new dedicated upright *Revolution X* video, featuring music by Aerosmith, also available as a two player gun game, to be out in May. The company also showed their *NBA Jam Tournament* kit, and *Mortal Kombat II* kit available now.

Williams also showed its shuffle alley, *Strike Master* and Midway showed *Addams Family Values* and *Flying Saucer* for the family redemption market.

Video & Deluxe

Exhibitors had plenty of video games on hand. Popular at the show was driving games and sports themes, namely World Cup Soccer '94.

American Laser Games showed their newest shooting, interactive video piece, *The Last Bounty Hunter* staring Wes Flowers, who was at the booth demonstrating his quick draw talents.

Atari showed their new next generation multi-player battle game, *T-Mek*, available in late-May of this year.

Capcom displayed yet another version of their ever-popular Street Fighter video game, *Street Fighter TURBO*. The company also introduced System II a new hardware system for upgrading Capcom games, designed for arcade use. They also showed *Eco Fighters* and *Dungeons & Dragons*.

Fabtek Inc. showed their *Raiden II* kit and *Super Mario Brothers* redemption piece.

New at **Jaleco USA Inc.**'s booth was *Best Bout Boxing*, a two-player fighting video, *Battle K Road*, and a two-player driving game, *F-1 Super Battle*. They also showed *Alien-Command,* a laser shooting game.

On exhibit at **Kaneko USA Ltd.**'s booth was their two-player, fighting game, *Blood Warriors*, their redemption/video game *Bonk's Adventure* and *Gal's Panic II* quiz version. They also showed *Pack 'N Bang Bang* and *Great 1000 Miles Rally* which should be available in September '94.

Konami (America) Inc. displayed *Lethal Enforcers* II\Gun Fighters, an upright gun game and a new driving game, *Racin' Force*.

On Exhibit at **Namco-America**'s booth was their virtuality theatre, *Glaxian 3*; as well as *Cyber Sled Tournament*; *Suzuka 8 Hours 2*, with new racing circuits; and an updated version of *Shoot Away*. Two versions of *Ridge Racer* were also on display, the original and a new three-monitor version. In redemption games, their new junior version of *Godzilla Wars*, and *Monster*

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At the Toronado Soccer Table booth, the company's Don Smith and Dave Courington flank Canadian operator, Chris Sanfilippo of Cambridge Coin, Cambridge, ON.



Valley's James Griffiths, Doug Blair, and Dick Shelton with the new ZD6 table and Image Series tables at their booth.

Castle were big hits with the kids. They also showed *Shark Bashing Grand Prix* prototypes available in single units or networked for competition up to 8 units.

New Image Technologies displayed countertop and upright prototypes of new games soon to be available for the adult tavern market.

Sega Enterprises made a hit with their new driving game, *Daytona USA*. They also showed *Jurassic Park*, both in two-player sit-down cabinets, and a *Star Wars* video. Their *Virtua Fighter* video with advanced graphics was also shown.

SNK Corp. of America debuted *Art of Fighting 2; Super Sidekicks II, s*occer game; and *Top Hunter,* featuring Roddy & Cathy cleaning up space pirates. They also showed World Heroes 2 Jet, an action battle game.

On exhibit at **Strata Group Inc.**'s booth was their interactive, linkable, driving game, *Driver's Edge*, and a new, two-player, fighting game, *Blood Storm.*

Taito America Corp. offered several new pieces for the redemption market *Jungle ZooKeeper* and *Lucky Carnival*, a three-player shooting gallery. In video games they showed *Under Fire*, a shooting game; as well as *Super Cup Finals*; *NFL 2 Minute Drill*; and the *Power Strikes II* video system.



Vanbrook of Lexington's Virgil Vance, Jack Spence and David Blumenfeld display their assorted tokens.

Tecmo, showed their *Tecmo Cup '94* video game based on the World Cup Soccer '94.

U.S. Games Inc. showed the production model of their bar trivia game, *Counter Top Champion*, as well as their full line of video lottery terminals.

Computers and Cash Handling

Several manufacturers of route management software, cash handling and other related equipment displayed their wares.

Asahi Seiko attracted a lot of attention with their debit card arcade exhibit, designed to lead the arcade operator to an eventual cashless, ticketless and tokenless system. With this system manufactured by XCP, the player buys values on the card and when playing games the values are deducted as well as redemption points recorded.

Canadian company **Base 2 Technologies** showed their data retrieval and reporting system for amusement game operators, and also explained their new CD jukebox data collection system that is capable of retrieving data from all jukeboxes from every major manufacturer using only one handheld unit.

Another Canadian company, **Cadrin Machines**, of Quebec, exhibiting for the first time, showed their new U.S. version of their *Econopak* cigarette machines for small packages of national brands.

Chicago Lock displayed the new *Bulk Vending Lock* manufactured by CamLock Systems, which they exclusively distribute in North America.

Coin Controls had on hand their new *C450 Coin Validator* designed to comply with internationally recognized standards, (BDTA).

JCM's booth featured their new *CBA-35 SU* series. The company is also working on a horizontal unit for the gaming market.

Mars Electronics International had on hand their new *Cashflow 330 Coin Acceptor* and their enhanced *GL4C Canadian Bill Acceptor.*

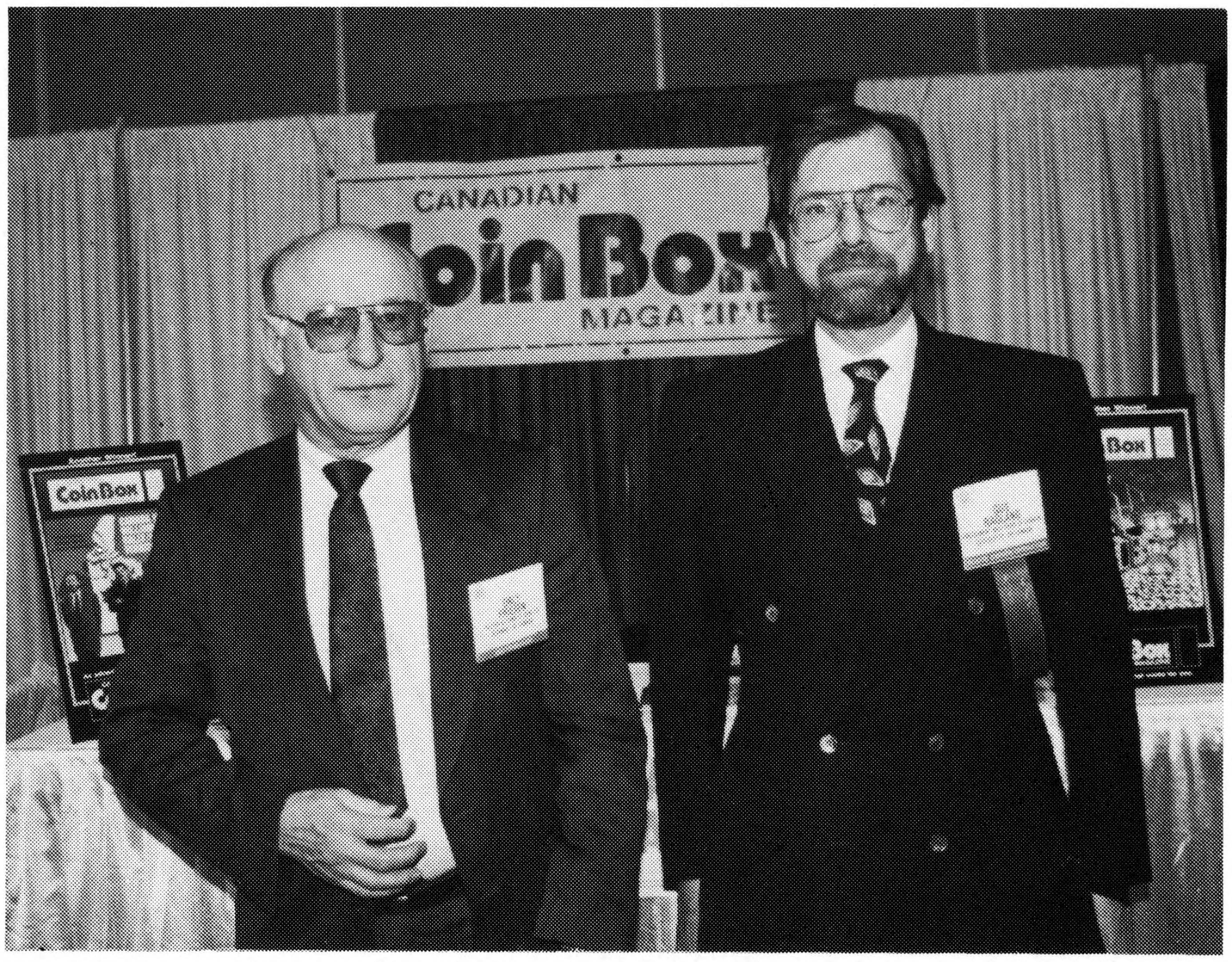
Another Canadian exhibitor **Pentranic** was also on hand with their monitors and various products.

Wells-Gardner Electronics Corporation displayed several new products in colour monitors including the *U2000, U3000, U4000 and U5000.*

The 1995 American Coin Machine Expo will be held in Reno, Nevada, at the Reno Convention Center, March 23 to 25. ❑

—By Sandra L. Anderson

AMOC MEET AT ACME



Orly Friesen, president, and Gus Ragland, executive director, of the Amusement Machine Operators of Canada met with association directors at ACME to discuss pertinent issues.

Once again, the directors of the Amusement Machine Operators of Canada (AMOC) met at the American Coin Machine Expo, (ACME) held this year in Chicago, to discuss issues pertinent to their industry.

There are currently nine association directors. Those present included: Orly Friesen of Ralph's Automatic in British Columbia; Doug Bailey of New-Way Sales in Ontario; Phyllis O'Rielly of Alouette Amusement in Quebec; John Keay of Central Amusements in Nova Scotia, and Gus Ragland, executive director.

After the minutes were approved, the main issue of discussion was the AMOC's current position on the federal Goods and Services Tax.

They discussed the strategy in which to approach the government, and what exactly they want from the government. The directors decided that their position hasn't changed and they will continue to ask for the same treatment that Bell Telephone receives with their coin operated telephones, for the same reasons.

Doug Bailey suggested that a three-person committee be formed to deal with the GST. He also suggested that it would be more effective for operators to contact cabinet ministers themselves as opposed to hiring a lobbyist.

The directors discussed a letter that association president Orly Friesen wrote to his MP on the association's position on the GST. Bailey suggested recontacting the Liberals who supported them before they were in power. They discussed the sympathetic response they received from Liberal MP Shirley Maheu, who was sent a copy of the letter the AMOC sent to Michael Wilson. She said she would keep the situation in mind and meanwhile, support the AMOC's request for exemption for sales up to 70 cents.

Phyllis O'Reilly said the AMOC has to get input into the government's committee currently looking at the GST and time is of the essence.

They formed a committee of three people to deal with the GST headed by Brian Howison.

The directors then discussed forming another committee to deal with the Ontario Hydro and Canadian Standards Association approval situation on new games entering Canada. Friesen brought everyone up to date, explaining that it is a national issue. All provinces require that games be inspected and approved to meet safety standards. Most all games from the United States are UL approved, which no longer seems to be accepted by CSA since free trade has come into effect. Friesen said he was told that CSA approval or ULC certification is required to protect Canadian manufacturers.

John Keay said he was told by the CSA that UL approval is not the same standards. He said that in Nova Scotia, the provincial fire marshal wants CSA approval, which means paying an inspector $167 per hour.

Friesen explained that in many cases, the CSA has turned inspections over to provincial hydro commissions.

Keay said in Nova Scotia bowling alley operators have been stumped too, as CSA is looking at old lanes and giving owners a certain period of time to bring it up to standards. "Sometimes it costs $3,000 a lane to bring it up to standards. These guys are going bananas."

Friesen said at Ralph's, B.C. Hydro inspectors came in to look at games and didn't approve anything, but gave him "a list as long as your arm," of work to be done to meet standards, and a bill for $680.

Bailey said Ontario Hydro charges $60 to start and $7 to $10 a game after that. He said he was told by Hydro that ULC approval is accepted. He suggested that distributors should tell U.S. manufacturers that they can't sell a game if it doesn't have the proper Canadian safety approval.

The directors all agreed that safety approval is important, but that the CSA and Hydro's insistence on getting all games approved when they have already been approved for safety in the U.S. is largely a revenue generating scheme.

The directors also discussed the legality of redemption and decided it is something they should put on the agenda for next meeting.

They decided that the AMOC should meet at the AMOA show in San Antonio, TX, Sept. 22-24, with a preliminary directors meeting on Wednesday before opening day, and a general meeting for all membership on Saturday at 9 a.m. with coffee and perhaps a continental breakfast served, before the 10 a.m. opening. Gus Ragland said he would book a seminar room for the meeting, so operators wouldn't have to hunt for a hotel room. Another directors meeting will follow after the general meeting.

Coin Box will publish times of future AMOC meetings when they are confirmed. ❑

—By Sandra L. Anderson

TECHNICAL CORNER

WITH SAM FLAGIELLO, C.E.T.

Power Supply: The Canadian View Point

This article is in two parts and is based on material Sam Flagiello, of Starburst Coin Machines Inc., Toronto, Ontario, uses during the Pinball & Video Game Repair classes he teaches at Humber College, Toronto. The second will appear next issue.

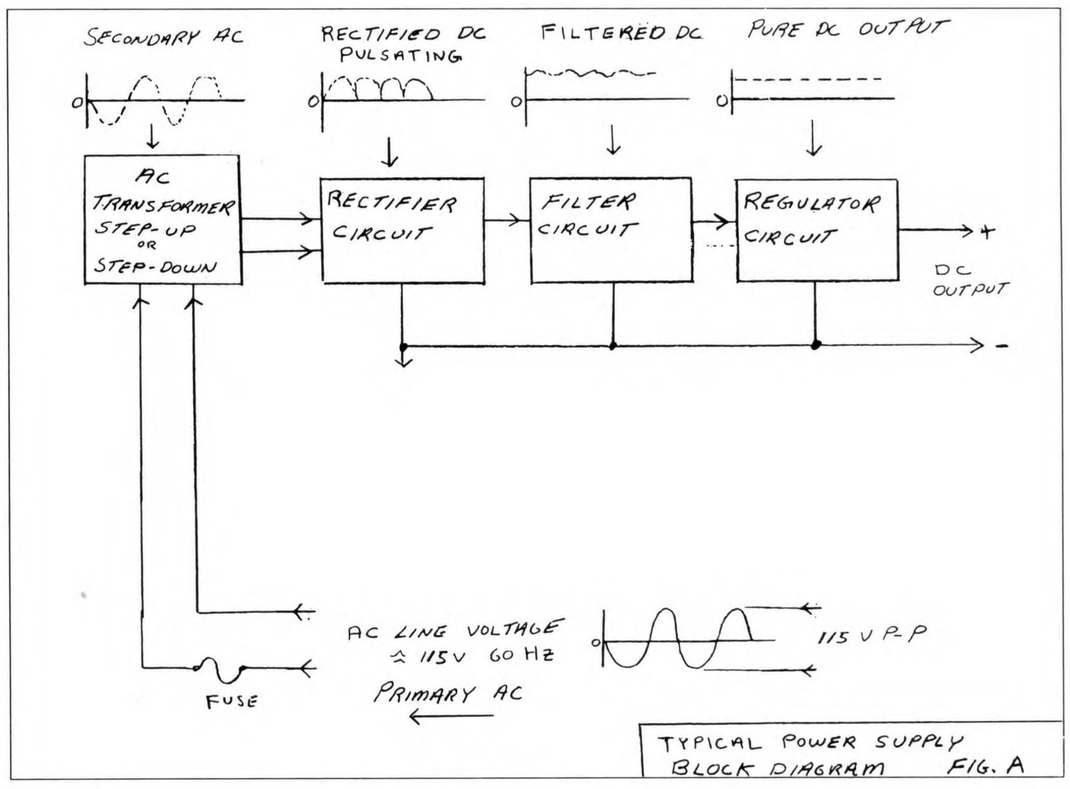
Part 1: A) Power Supply Efficiency; B) AC Input; C) The Transformers.

Basics: A power supply is a circuit that converts incoming household AC line voltage (alternating current) and transforms it into DC voltage (direct current), usually of a lower value. This lower value of DC voltage is used in transistorized electrical circuits such as video and pinball machines.

This direct current can also be supplied by batteries that are found in pinballs's CPU boards and recent video games to maintain memory when power is turned off from the machine. The power supply provides power to a "load", the load being the CPU of a video or pinball game.

Power supplies range from batteries to regulated electronic circuits where an accurate output voltage is automatically maintained.

The batteries in a video and pinball game are a form of a DC



TYPICAL POWER SUPPLY BLOCK DIAGRAM FIG. A

power supply that converts chemical energy into electrical energy. The output of a power supply can range from 5 volts 1/2 Amp to devices that can deliver voltage in excess of thousands of volts with currents of 100 Amps. No matter how complex the supply is, there are six basic functional blocks that will be discussed: power supply efficiency; the AC input; and the transformers.

Fig. A shows a typical power supply in a block diagram. All power supplies require power to be used for their input.

A) Power Supply Efficiency: An important characteristic of electronic power supplies is efficiency. "Efficiency is the ratio of the output power in the input power."

$$\text{EFFICIENCY} = \frac{\text{output power}}{\text{input power}}$$

$$\text{EFFICIENCY} = \frac{\text{pout}}{\text{pin}}$$

Efficiency is usually expressed as a percentage. Example, if the input power is 100 Watts and the output power is 50 Watts, the efficiency is $\frac{50W}{100W} = 50\%$

"High efficiency" means that little power is lost and there is a higher proportion of output power for a given input power.

Example: a power supply unit requires 25 Watts of input power. It produces an output power of 20 Watts.

$$\text{THE EFFICIENCY} = \frac{\text{POUT}}{\text{PIN}} \times 100\% = \frac{20W}{25W} \times 100\% = 80\%$$

POWER LOSS = PIN - POUT = 25W - 20W = 5W

EXAMPLE: A power supply uses AC power from the wall outlet as its input. Its output may be regulated DC or AC. The output power is always less than the input power because some of the total power must be used internally to operate the power supply circuitry. This amount is normally called "POWER LOSS". The output power is the input power minus the amount of internal power loss.

POUT = PIN - Ploss

B) The AC Input: For the power supply to function we need an AC input voltage. Typically 115 VAC. This AC voltage can vary from 105 to 127 vac depending on your location. Even with a large variation in AC input voltage, the power supply, if designed properly, can operate efficiently as long as input AC voltage does not exceed more than the variation mentioned above. If input voltage to supply is below 105 volts, the supply might not maintain its rated DC output voltage and current to

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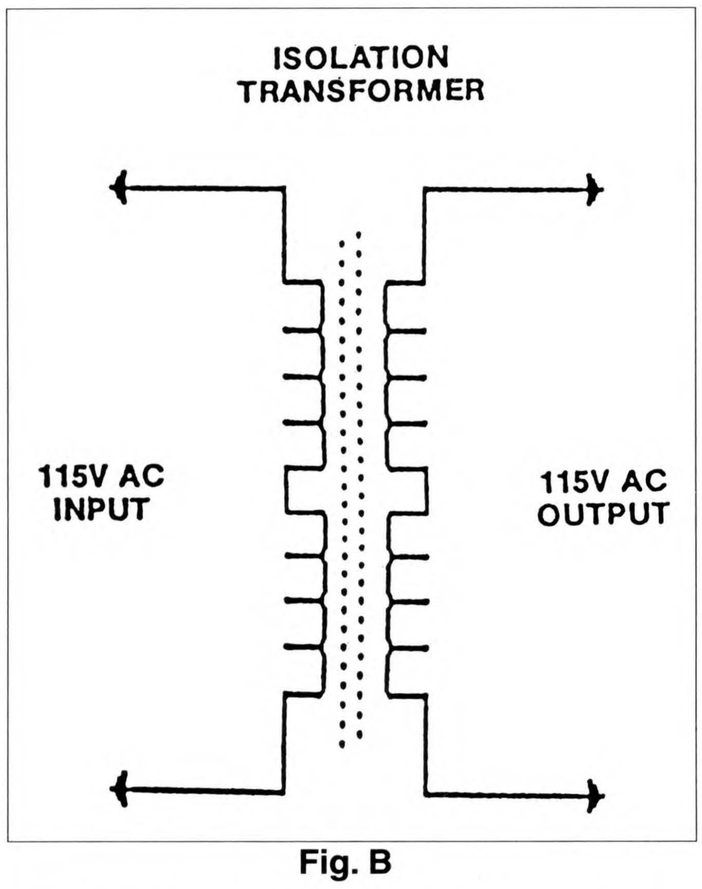
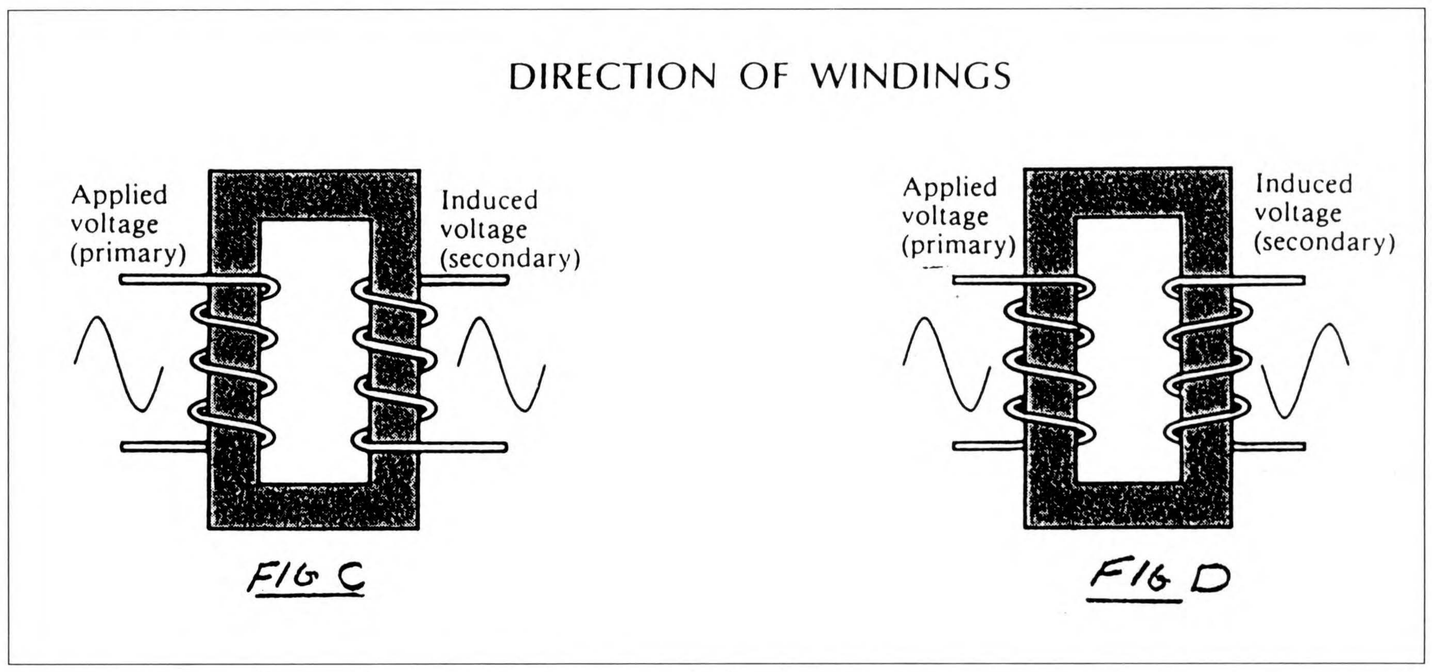


Fig. B



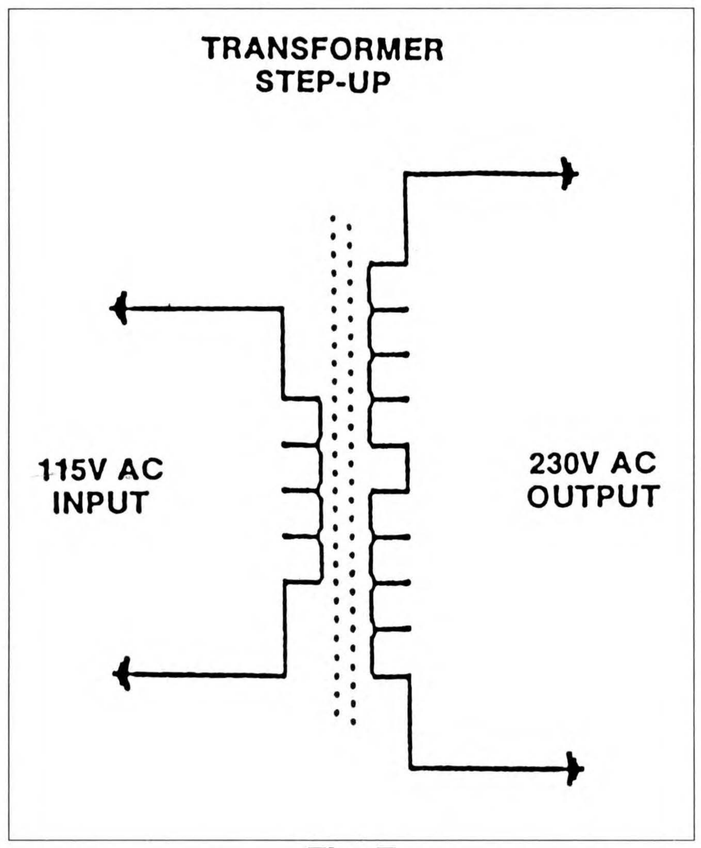


Fig. E

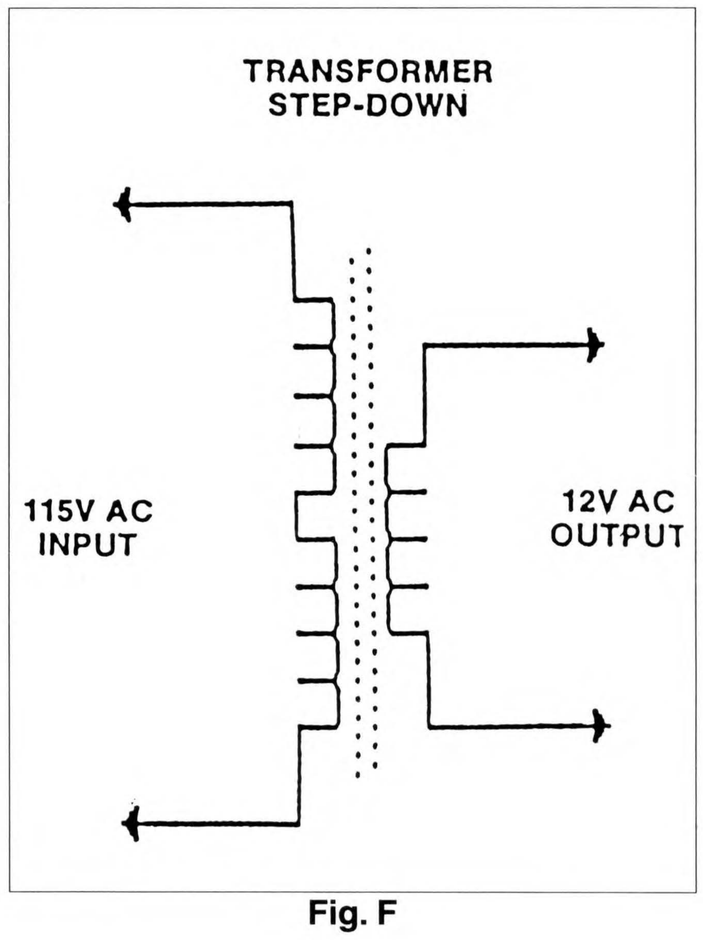


Fig. F

the load. If the AC input is too high, higher than 127VAC, the supply will produce a higher DC voltage output, exceeding its rating and resulting in damage to the components in the power supply, until the short circuit has been repaired. The fuse prevents other components from further damage during a short circuit in the power supply. When repairing power supply and the main fuse has blown during repairing procedures, I use a "circuit breaker", of the same value, in place of the fuse, until I repair the unit and install the proper type of fuse. The circuit breaker cost is approx. $3 and saves a service man time and lots of fuses. This is one of my little repairing tools, but is worth its weight in gold.

C) The Transformer: A transformer is a device that is typically rated in VOLT-AMPERES (va), primary/secondary voltage, and operating frequency. The device is able to convert high AC voltage into an even higher or lower AC voltage, or keep the voltage constant. The principle method is called "MAGNETIC COUPLING". No direct electrical connection is made between the input and output voltage. This type of transformer is called an "ISOLATION TRANSFORMER". FIG. B.

Energy is transferred entirely by magnetic coupling, the number of wire turns in the secondary is equal to the wire turns in the primary. The transformer's primary winding and secondary windings are isolated from each other to prevent possible dangerous shock hazards. Since there is no electrical connection between the two windings, The primary and secondary energy is transferred entirely by magnetic coupling. The magnetic or sometimes know as "inductive coupling phenomenon" is when an AC voltage is placed on the primary windings of the device. Half of the 58VAC swings from positive to negative 58 volts, thus creating a strong magnetic field. This field induces an alternating current in the secondary windings of the transformer.

The "TURNS RATIO" of a transformer is an important parameter of this device. The turns ratio (n) is the number of turns in the secondary windings (ns) to the number of turns in the primary windings (np). **n=Ns/Np**

The turns ratio is the determining factor in a transformer, if its a STEP-UP or STEP-DOWN transformer. A second parameter is the direction in which the winding are placed around the core. The direction of the windings determines the polarity of the secondary voltage with respect to the primary voltage.

FIG. C: The primary and secondary voltage are in phase when the windings are in the same effective direction around the magnetic path.

FIG. D: The primary and secondary voltage are 180 degrees out of phase when the windings are in the opposite direction.

FIG. E. Step-up Transformer: When the secondary voltage is greater than the primary voltage is known as a step up transformer. In the step-up transformer, the number of copper wire turns in the secondary is greater than the number of turns in the primary windings. The turns ratio for a step-up transformer is always greater than 1.

FIG. F. Step-down Transformer: When the secondary voltage is less than the primary voltage, it is known as a step down transformer. The amount by which the voltage is stepped down depends on the turns ratio. When the number of turns in the secondary is less than that in the primary, the result is a voltage less than the primary. The turns ratio for a step-down is always less than 1.

Part 2: D) The Rectifier Circuit; E) The Filter Circuit; F) The Regulator Circuit, (Next month).

Sam Flagiello is Service Technical Co-ordinator for Starburst Coin Machines, Inc., Toronto, Ontario. ❑

TECHNICAL CORNER



WITH JOHN LIIKALA

Table Video Games

On the subject of table video games, I would only like to ask the manufacturers to give the upright fighting games a rest and to design something catchy. I have a few ideas that they might want to mull over.

For example, Sea-Quest Underwater Game, Domination of the World Map, Raider in a Cocktail (along this line of fighter game), Cobra/Viper Helicopter Game, Tetris III Block Domination, and Galaga. Galaxian is back, and/or Ms. Pacman with multi-features. I'm hoping that the manufacturers can come up with something to bring the customers back to the table games. In the meantime, here are a few technical tips.

Technical Tips

Problem 1: Bent shaft on Moto Frenzy wheelie motor.

Solution: Last issue, I discussed the wheelie motor in Moto Frenzy and of all the fun involved in taking it out. Most of the ones that I have seen were non-repairable because of the 90-180 degree rotation of the motor and the stopper on the shaft of the motor. This arrangement usually resulted in a bent shaft. Since the motor cannot be rebuilt without a lot of difficulty and the replacement cost is usually quite high, in my opinion, it is just as well to disconnect it (at least until Atari gives us a solution). I have noticed that the revenue has not dropped significantly from this approach.

Problem 2: Indiana Jones pinball will lock up two of the balls during the lock ball feature and then the third ball will not be dispensed into the shooter lane. In most cases, the pinball has to be shut off and back on again for the ball to be cycled back into the game. Sometimes it will lose track of the balls and the game will not function properly.

Solution: The problem here is because of LED #6 and LED #7 being inoperative on the LED 7 Ball Trough Assembly. (See Fig. #1) Use an Infrared Probe Detector (this can be purchased from your local distributor) and check the operation of these LEDs. The other problem is R7 and R6 leads breaking at the PC Board. My suggestion is to add more solder to the leads of all resistors on this LED assembly.

MCM ELECTRONICS

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TEST AREA

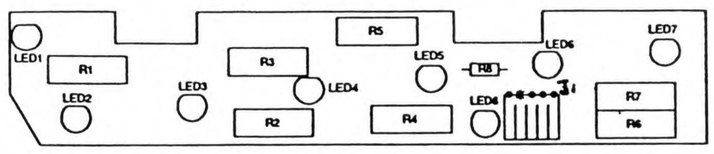
72-003

INFRARED DETECTOR PROBE

INSTRUCTIONS: ■ Subject probe card to light for 1 minute before use ■ Use in very subdued light (darkness if possible) ■ Hold probe test area next to infrared source ■ Test area will glow orange if infrared is present.

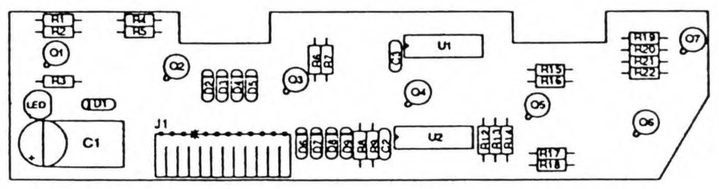
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A-16927 LED 7 Ball Trough Assembly



Part Number	Designator	Description
5791-12548-05	J1	Connector, 5-pin Header
5671-12731-00	LED1 - LED7	Diode-Infra Red
5010-12928-00	R1 -R7	Resistor, 270Ω, 2W, 5%
5671-09019-00	LED8	Display LED Red
5010-10631-00	R8	Resistor, 1.2KΩ, 1/4W, 5%

A-16926 OPTO 7 Ball Trough Assembly



Part Number	Designator	Description	Part Number	Designator	Description
5163-12732-00	Q1 - Q7	Photo Transistor	5010-08774-00	R9, R17	Resistor, 22KΩ, 1/4W, 5%
5791-12548-12	J1	Connector, 12-pin Header	5010-09034-00	R12	Resistor, 10KΩ, 1/4W, 5%
5010-09999-00	R1, R2, R4-R7, R10, R11, R15, R16, R19-R22	Resistor, 2KΩ, 1/4W, 5%	5070-09054-00	D1 - D9	Diode 1N4004, 1.0A
			5370-12272-00	U1, U2	ICLM339 Quad
			5671-09019-00	LED1	Display LED Red
5010-10631-00	R3	Resistor, 1.2KΩ, 1/4W, 5%	5043-08980-00	C2, C3	Capacitor, 0.01µF, 50V
5010-09162-00	R18, R8, R13	Resistor, 100KΩ, 1/4W, 5%	5040-12298-00	C1	Capacitor, 100µFd, 40V (±50%)

Fig. 1

Problem 3: Sourcing infrared LEDs and replacing them on the PC Boards.

Solution: I have experienced the frustrations in trying to get substitutions for infrared LEDs that have broken off the PC Boards (e.g. Getaway Pinball). Most of the time you can get the whole assembly (Part #A16908), LED, PC Board, and plastic holder—such an unwanted expense when you only want the LED. In noting this, I was able to ascertain specs for the LED. Note the following:

— 2.2 MCD Light minimum
— forward maximum current 20 milli Amps
— forward minimum current 10 milli Amps
— peak reverse voltage — 5 Volts
— forward voltage — 2 Volts

This LED is usually a yellowish-clear colour, and the size is approximately 3 millimetres in a T-1 Package. If this is too complicated, order the A16908 Emitter Assembly and keep collecting the PC Boards and Plastic Holders.

John Liikala is the Technical Service Manager for Canadian Amusement Games Supply in Burnaby, B.C. ❑

NEW PRODUCTS



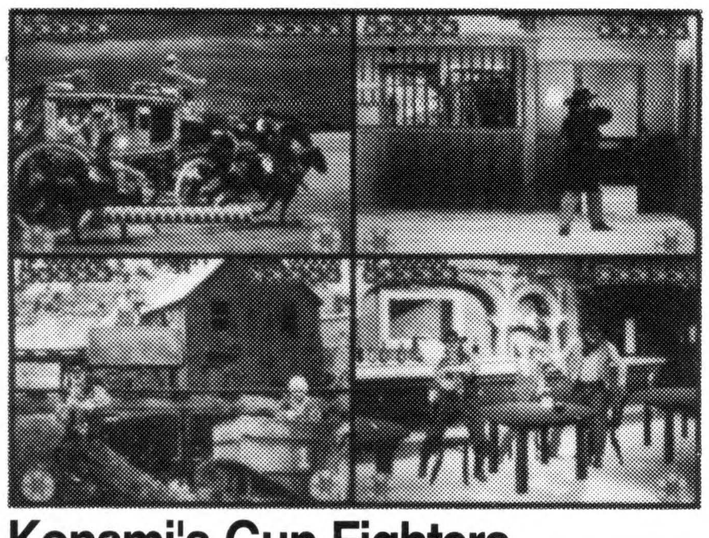
Legend

Antique Apparatus introduces their new Rock-Ola *Legend* jukebox.

The *Legend* displays 16 full-size CD Jackets and title cards at one time, utilizing Rock-Ola's exclusive 4-high display. Its functional design allows for full viewing of the 100-disc CD mechanism, which is easy to load and simple to operate.

Other features include: a 6-speaker system with the power of a 280 watt amplifier; background music control system with built-in volume adjustment; wired remote control, and coin box with slug rejector. Microphone paging kit, wireless remote RF-based volume control/ power switch kit, and wireless data retrieval system are optional.

For more information, contact your local distributor, or for referral contact Antique Apparatus Company, 2335 208th Street, Torrance, California 90501, tel: 310-328-1306.



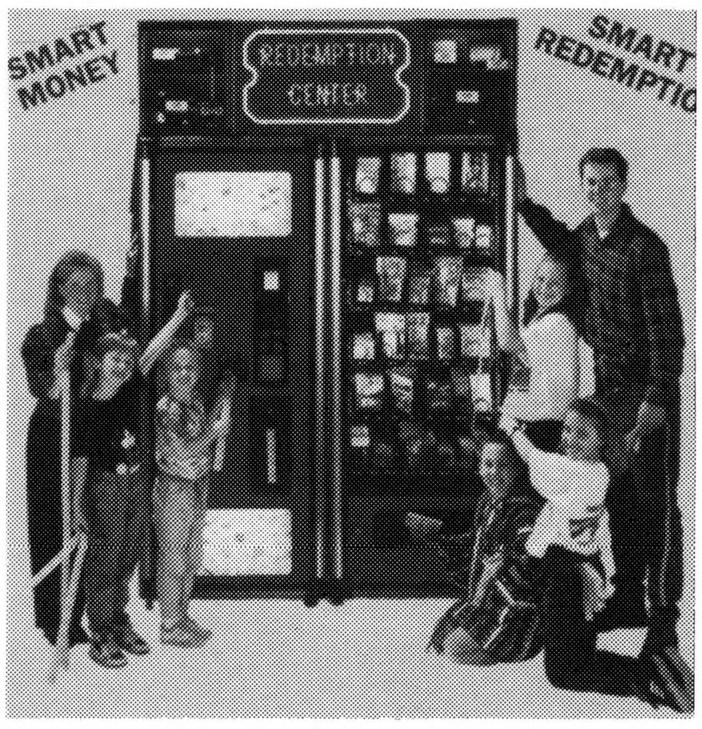
Konami's Gun Fighters

Konami America Inc. takes their successful *Lethal Enforcers* shooting game back in time to the wild west of 1873 in their latest sequel *Gun Fighters*.

The two player upright gun game, with horizontal monitor and realistic gun recoil, has players diffusing a bank robbery, thwarting a stagecoach holdup, facing a showdown with three gunslingers, and testing their aim in bonus stages.

Other features include: enhanced digitized graphics, standard and street versions, optional carnage mode, and six special western weapons.

For more information, contact your local distributor, or for referral contact Konami America Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, tel: 215-5100.



Redemption Center

Smart Industries Corp. introduces the first of its kind, totally self-contained *Redemption Center*, which eliminates the need for a redemption attendant.

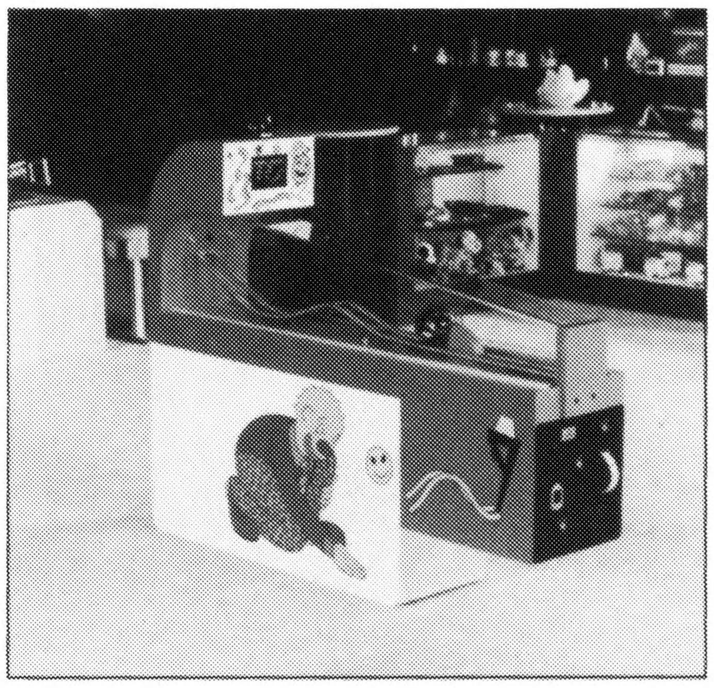
The *Redemption Center* consists of two bulk vendors (1 inch holds 7500 pieces and 2 inch holds 1000 pieces) and a vending unit that holds up to 486 pieces.

There is no limit to the amount of games, the *Redemption Center* can service, because it will vend merchandise from ticket redemption, accepting individual tickets or consecutive tickets, with no limit on the amount.

In addition, the *Redemption Center* includes a Bar Code Reader, enabling the location to specify the usage of certain redemption tickets in their unit and eliminates the usage of other establishments custom tickets. Plus, the Bar Code Reader will indicate the different ticket values.

This unit also features a Receipt Printer, which will give out Ticket Credit receipts, for high ticket items or premiums, that the patron can collect and redeem at a later date.

For more information, contact your local distributor, or for referral contact Smart Industries Corp., 1626 Delaware Ave, Des Moines, Iowa 50317, tel: 515-265-9900 or 1-800-553-2442.



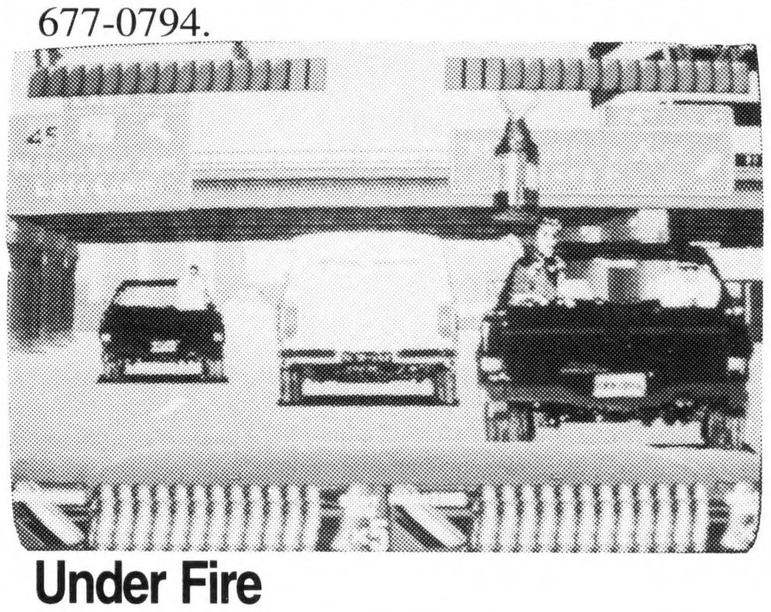
Kiddie Bowler Roller

Bob's Spacer Races Inc. announces the latest addition to their junior redemption line, *Kiddie Bowler Roller*.

Seizing on the success and popularity of their full size *Bowler Roller*, *Kiddie Bowler Roller* is sized just right for young children. The object of the game is to roll the ball over the hump in the rails with just enough speed that it will roll into the valley and stay.

Options include: adjustable number of rolls/tries, ticket payout and number of coins required for credit; progressive ticket build-up, and custom lighting.

For more information, contact your local distributor, or for referral contact Bob's Space Racers Inc., 427 15th Street, Daytona Beach, Florida 32117, tel: 904-677-0794.



Under Fire

Taito America Corporation brings digitized firepower to the video screen with their new hard hitting shooting game,

Under Fire, where players take on the role of the police as they try to track down the drug dealers and criminals.

Under Fire's digitized graphics are presented in a dedicated, street size, two player cabinet with a 27 inch monitor. The vibrating hand held machine gun "kicks" to give the game added realism.

This video features eight stages, and two player cooperative play. Mid-game entry and continue play are also features.

For more information, contact your local distributor, or for referral contact Taito America Corp., 390 Holbrook Dr., Wheeling, IL 60090, tel: 708-520-9280.



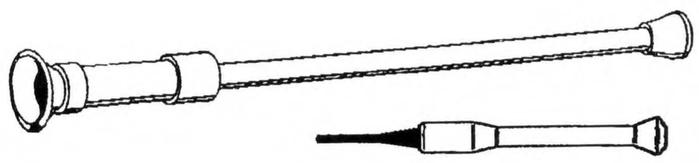
Data East's Tommy

Data East USA inc. has brought all the excitement of Broadway to their new pinball machine, *The Who's Tommy Pinball Wizard*.

Following in the tradition of Data East singing pinballs, Tommy has been loaded with 21 hit songs, with vocals sung by original Broadway cast members Michael Ceveris, Paul Kandel and Anthony Barrile.

The Who's Tommy Pinball Wizard also comes equipped with dual ramps and spinners, triple flipper action, a magic mirror and for the first time on a pinball machines, flipper blinders. When the blinders are closed players will be faced with playing without seeing what the flippers are doing.

For more information, Contact your local distributor, or for referral contact Data East Pinball Inc., 1990 Janice Ave., Melrose Park, IL 60160, tel: 708-345-7700.



Soft Air Darts

Magnum Air Darts announces the introduction of their new *Soft Air Darts* game, designed to play on standard soft tip boards.

The unit consists of an air gun with anti-inhaler mouth piece and three darts, and is dishwasher safe.

Created by a handicapped veteran, Red McClarren of Rockaway Beach, Oregon, who couldn't throw hand darts for any length of time due to hand and shoulder problems, the game enables men and women to compete equally against their opponents. A complete line of accesories is also available.

For more information, contact P.O. Box 45, Rockaway, OR 97136, tel: 503-355-2210.



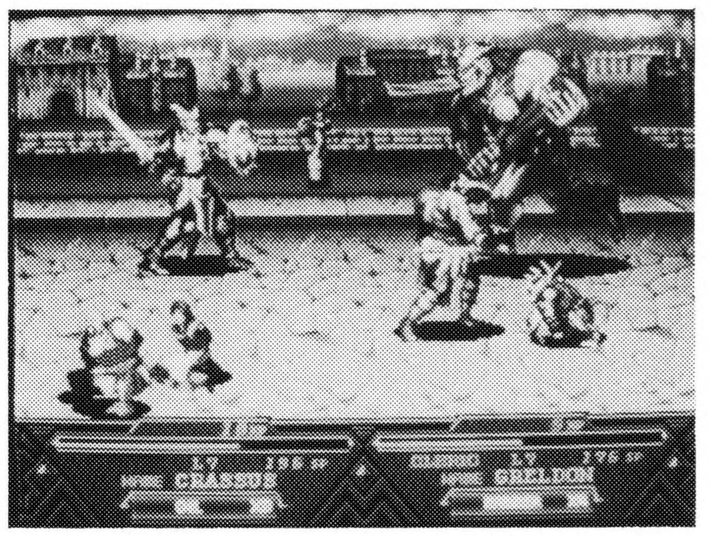
Solitaire Challenge

Dynamo Corporation introduces an exclusive license, *Solitaire Challenge*, as the latest addition to their product line.

Based on the traditional card game, *Solitaire Challenge* adds two new dimensions, time and sound, to increase player appeal.The player competes against the deck, as well as the clock, in order to win.

In a game cabinet built-to-last, *Solitaire Challenge* offers a host of features to appeal to the widest possible audience, including: 24 card backs, 12 different playing field colours, free game awards, screen saver, and adjustable pricing.

For more information, contact your local distributor, or for referral contact Dynamo Corporation, 2525 Handley-Ederville Road, Richland Hills, Texas 76118, tel: 817-284-0114.



D & D Tower of Doom

Capcom U.S.A. Inc. announces a partnership with TSR Inc. to bring the fantasy role playing game, Dungeons and Dragons, to the arcade market with the launch of *D & D Tower of Dome*.

Targeting the loyal following of Role Playing Games, *D & D Tower of Doom* stays true to official D & D lore. Allowing four people to participate simultaneously, players have the opportunity to assume the role of a Fighter, Cleric, Elf, or Dwarf, who together set out as a band of mighty adventurers trying to restore peace to the Republic of Darokin.

Using powerful magic and swordsmanship, players must eliminate their foes through challenging battles of brute force and sharp wits. Each character is armed with over 24 different attack manoeuvres and can load up on supplies and gather information along the way.

NEW PRODUCTS

Among the game's unique features are: new players can join in the action even after the game has started, action occurs in "real-time", and players control the outcome of the game through the interactive decisions they and other characters make, causing the story to unfold differently every time.

The use of Q-Sound, a virtual audio technology, provides true-to-life, three-dimensional sound for greater realism.

For more information, contact your local distributor, or for referral, contact Capcom U.S.A. Inc., 475 Oakmead Parkway, Sunnyvale, CA 94086, tel: 408-774-0500.



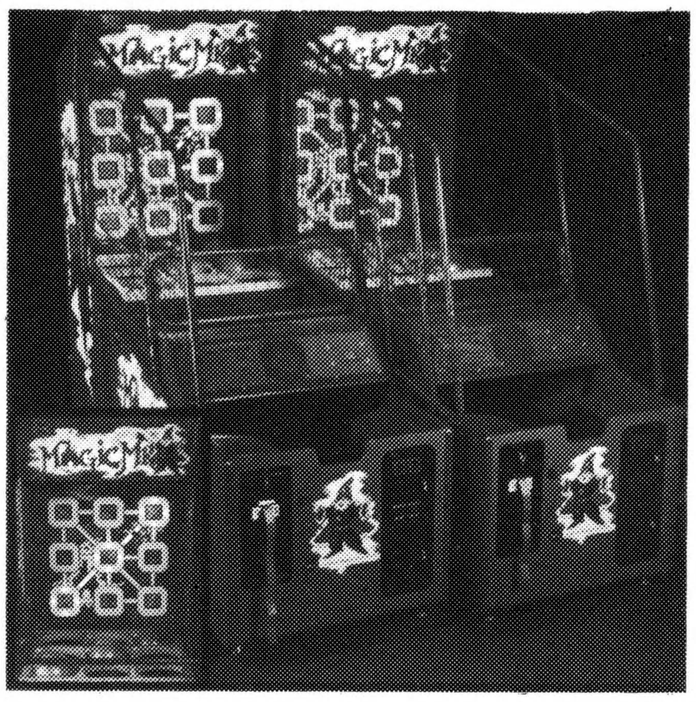
Popeye Saves the Earth

Bally/Midway Manufacturing Co. sets sail for an all-new pinball adventure with the release of *Popeye Saves The Earth*.

To save the day Popeye must undo the damage of Bluto's Earth Paving Co., Blutonium Waste, Nevergreen Logging and Spillco Oil companies in four dot-mation missions. Featuring 2, 3, and 4 ball multiball sequences, Olive Oyl is rescued in a hectic 6 ball multiball finale.

Other features include: an industry-first spinning wheel skill shot, a round-house loop, a ride on the escalator , a 3-D light-up head of Bluto, hinged upper playfield for easy access, Bally's DCS sound system with sound effects and dialogue from the cartoon adventures.

For more information, contact your local distributor, or for referral contact Bally/Midway Manufacturing Inc., 3401 N. California Avenue, Chicago, IL 60618, tel: 312-267-2240.



Magic Mr. X

American Sammy Corporation introduces *Magic Mr. X*, their latest entry into the redemption market. *Magic Mr. X* is the classic Tic Tac Toe game with a twist.

Players throw balls into a horizontal, vertical, or diagonal configuration or connect 2 balls and win tickets. Then they watch as the *Magic Mr. X* dances around the backglass. If *Mr. X* matches one of the player's X's, he wins bonus ticket.

Other proven features include: metal ticket door; operator adjustable payout and bonus levels for the magic X, LED display showing number of coins played, and ticket dispenser.

For more information, contact your local distributor, or for referral contact American Sammy Corporation, 901 Cambridge Drive, Elk Grove Village, IL 60007, tel: 708-364-9787.

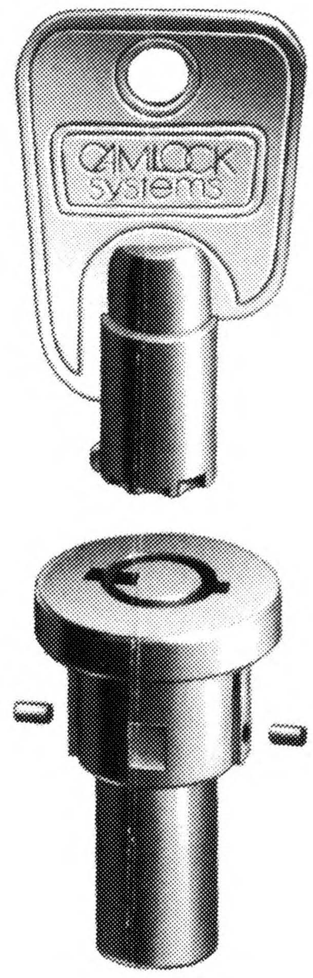


Valley Cougar ZD-6

Valley Recreation Products Inc. presents, the *Cougar ZD-6*, their newest addition to their world famous line of pool tables.

The *Cougar ZD-6* has several new features including: high pressure Summit Ash laminate, that is scuff, burn, and stain resistant; reinforced ball trap; more chalk drop holes in ball return; and triple-plated, die-cast metal, decorative corners.

For more information, contact your local distributor, or for referral contact Valley Recreation Products Inc., 333 Morton Street, P. O. Box 656, Bay City, MI 48707, tel: 517-892-4536 or 1-800-248-2837.



Bulk Vending Lock

Chicago Lock Company introduces an new lock designed to meet the needs of bulk vending security.

The *Bulk Vending Lock* features a unique keyway for improved security; registered key numbers; double pinned for smoother operation and added strength, and unique six tumbler operation for greater pick-resistance.

For more information, contact your local distributor, or for referral contact Chicago Lock Company, 4311 West Belmont Ave., Chicago, IL 60641, tel: 312-282-7177.



World Cup'94 Stickers

Peninsula Vending Inc. has been awarded the license for Soccer's World Cup'94,

being hosted by the U.S. for the first time.

Peninsula has produced a series of World Cup'94 stickers for flat vending machines, as well as a flag series of the competing countries suitable for all souvenir vendors and retailers.

For those unfamiliar with the World Cup event, Peninsula has a list of countries and a schedule of events available, free of charge.

For more information, contact your local distributor, or for referral contact Peninsula Vending Inc., 3801 Charter Park Court, Suite C, San Jose, California 95136, tel: 408-978-3588.

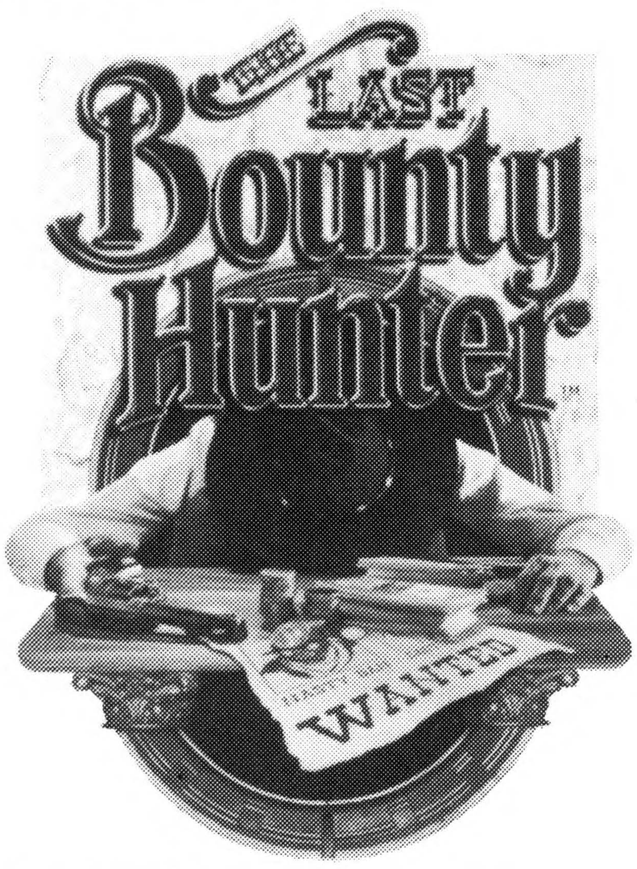


Valley Image Series

Valley Recreation Products announces the addition of a new line of designer coin-operated pool tables called *The Image Series*, four new designs created to enhance the atmosphere of any location, while still offering Valley quality.

The Image series tables are: Country, Contemporary, and Traditional. Country, features rope wood accents, a wild stallion plaque and tawny tan billiard cloth. Contemporary features electric blue cloth, bright chrome trim and granite laminate and is for the more upscale, modern location. Traditional, sophisticated with classic style and effects, features carved oak and brass accents enhanced by royal teal cloth.

For more information, contact your local distributor, or for referral contact Valley Recreation Products, 333 Morton Street, P.O. Box 656, Bay City, MI 48707, tel: 517-892-4536.



The Last Bounty Hunter

American Laser Games takes players back to the Old West in *The Last Bounty Hunter*, their latest live-action game.

The Last Bounty Hunter features computer software that gauges a player's skill and adjusts play action to maintain a constant level of challenge. The operator sets the overall level of difficulty, and the computer adjusts game play accordingly.

S. Wesley Flowers, recognized as the quickest shooter on the planet by the World Fast Draw Association, makes his first appearance in a video game and appears several times throughout the game to challenge the player.

Laser disc is available for 50", 33", or 25" screens, and game has two-player capability.

For more information, contact your local distributor, or for referral contact American Laser Games Inc., 4801 Lincoln Road NE, Albuquerque, New Mexico 87109, tel: 505-880-1718.

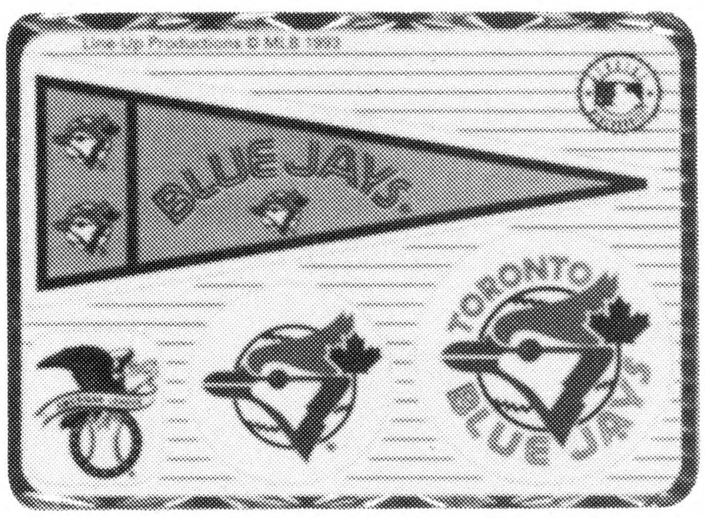


Blood Warrior

Kaneko USA Ltd. unleashes its newest fighting game, Blood Warriors, the ultimate in deadly martial arts combat.

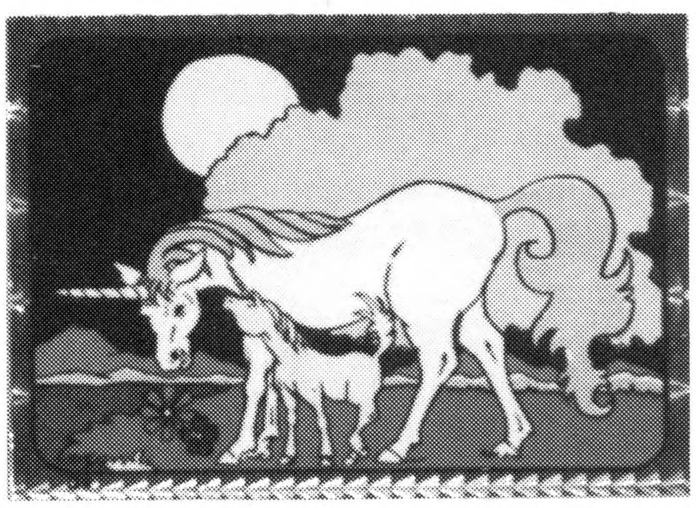
The two player kit features digitized images of fighters for super-realistic action and nine characters to choose from. Other features include buy-in and dip switch controlled blood shed.

For more information contact your local distributor, or for referral contact Kaneko USA Ltd., 1370 Bush Parkway, Buffalo Grove, IL 60089, tel: 708-808-1370.



New Stickers for Steiner

Steiner Manufacturing & Sales Inc. has added three new sticker series to their product line, *Carousel Unicorn*, *Hearts & Sparks*, and a *Major League Baseball* license.



A new line of tatoos is also available.

For more information, contact your local distributor, or for referral contact Steiner Manufacturing & Sales, 617 Sackett Street, Brooklyn, NY 11217, tel: 718-875-0835.

Send new product information with photographs to the Editor, Canadian Coin Box Magazine, 106 Lakeshore Rd. E., Ste. 209, Port Credit, Ont. L5G 1E3. Tel: 905-271-1366, Fax: 905-271-6373.

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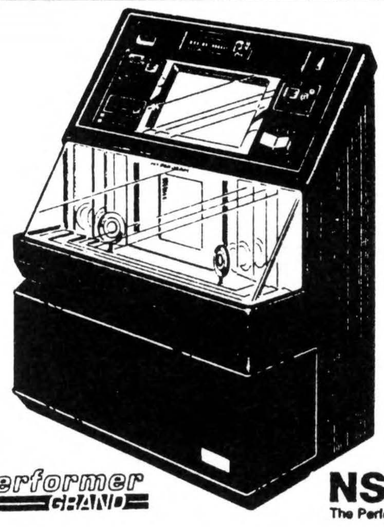
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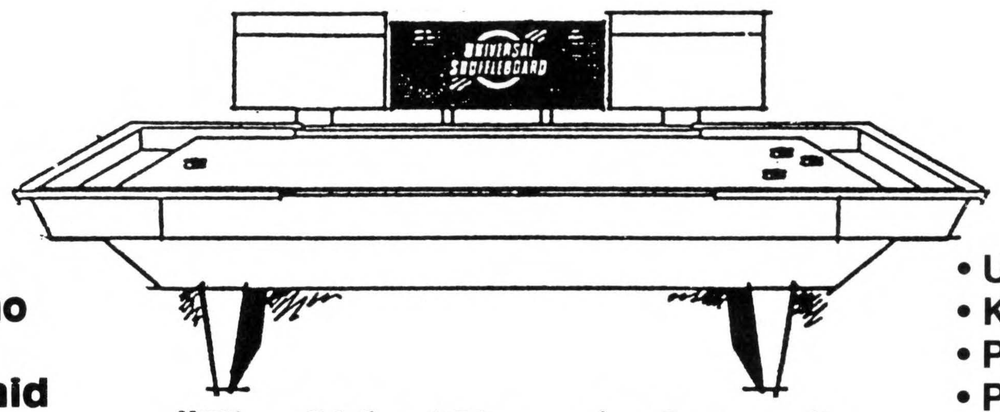
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June	**4** **Indianapolis, IN** Our Land Pavilion Indiana State Fairgrounds Cellular: 317-432-7626 Reorder Tone Dial: 502-551-1866			
September	**17** **Columbus, OH**	**22 thru 24** **AMOA EXPO '94** San Antonio, TX		
October	**1** **Indianapolis, IN**	**2 thru 4** **FUN EXPO '94** Las Vegas, NV	**8** **Chicago, IL**	
			Oct. 22 **Tampa, FL**	**Oct. 29** **Columbus, OH**
November	**2 thru 5** **IAAPA Trade Show** Miami, FL	**5** **Indianapolis, IN**	**12** **Chicago, IL** **Ramada Inn - O'Hare** *4th Annual Pinhead Collector's Auction in association with Pinball Expo '94.*	
December	**10** **Indianapolis, IN**			

All Auctions Begin At 10:00 a.m. Local Time

For further information contact:

Auctioneer: Bill Hughes, P.O. Box 4819
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502-456-1600
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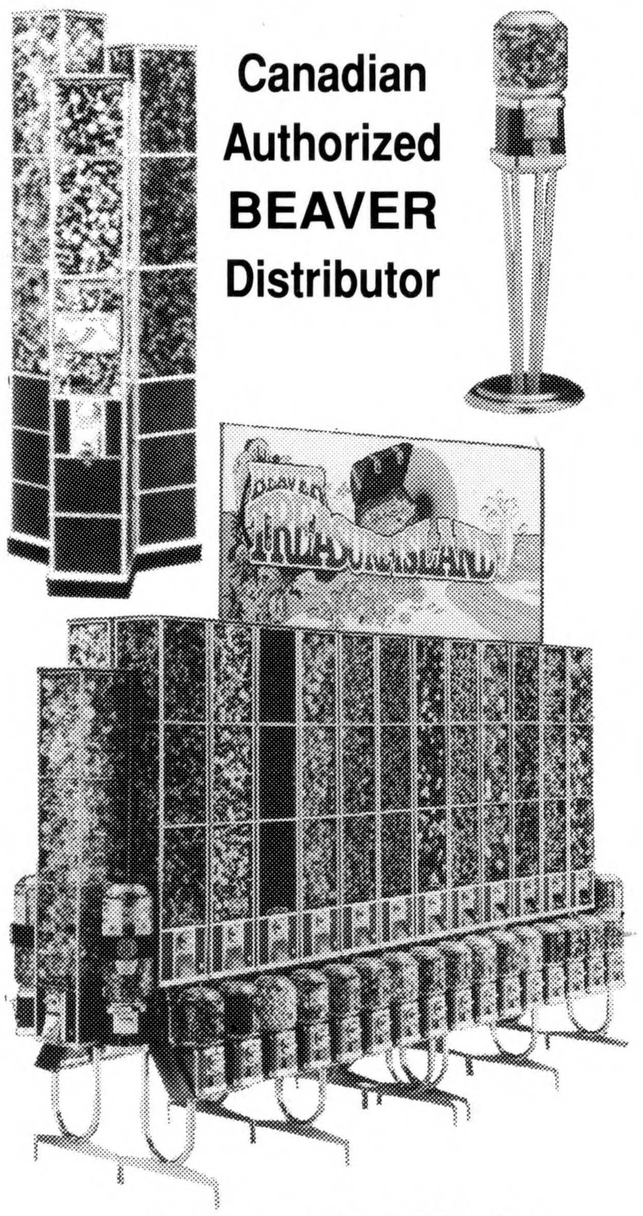
Auction Information

- To consign games for sale: bring to the auction site on the Friday before the auction Between 9 am and 9 pm.
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- Inspection: day of sale 9-10 am.
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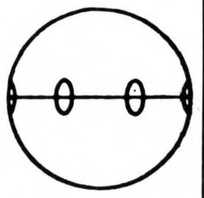


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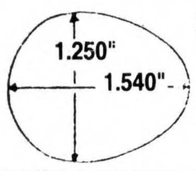
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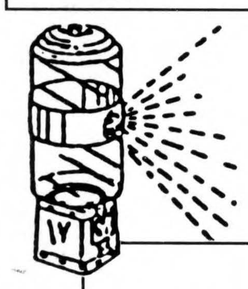


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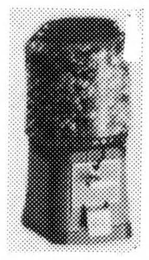
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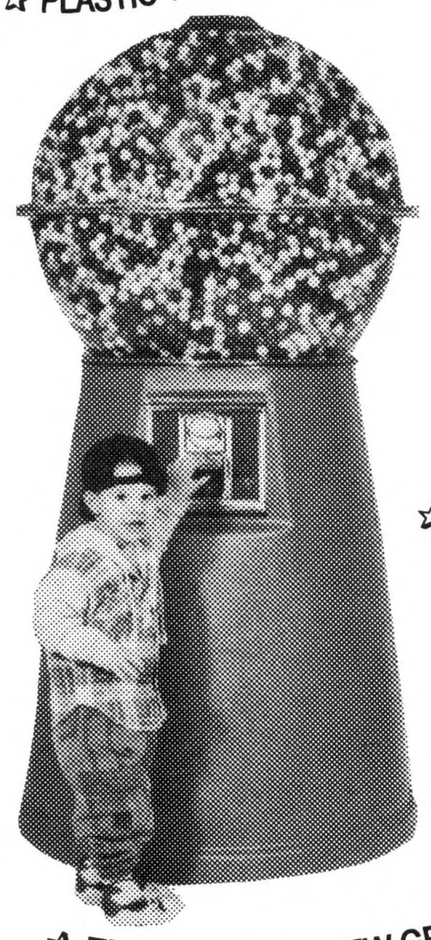


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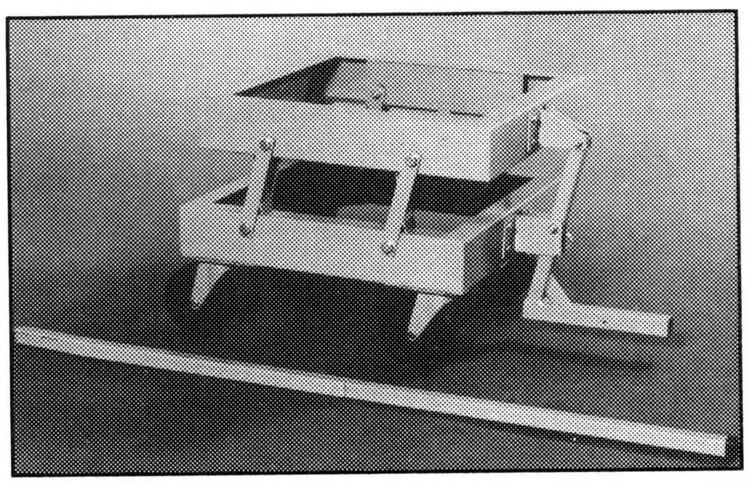
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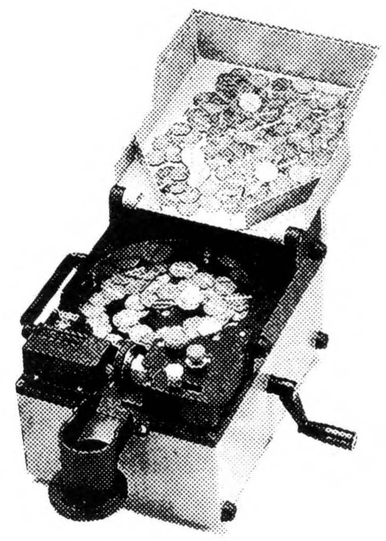
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